



3001 Miller Road  
P.O. Box 1699  
Dearborn, Michigan 48121-1699

July 21, 2004

Chief, Air Enforcement and Compliance Assurance Branch  
Air and Radiation Division (AE-17J)  
USEPA, Region 5  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

Attention: Enforcement Tracker

Subject: United States of America and County of Wayne and Michigan Department of  
Environmental Quality v. SeverStal North America, Inc. – Civil Action Nos. 00-  
75452 and 00-75454, USAO File No. 1999 00492, DOJ Case No.90-5-2-1-2211/1  
– Quarterly Report

Per Section V, paragraph 21 of the subject Civil Actions, attached is Severstal North America's ("SNA") quarterly report for April – June 2004.

The demonstration report for the "B" Blast Furnace Casthouse demonstration, which was completed on September 19, 2002, was submitted on October 16, 2002. SNA received the written notice of compliance from EPA pursuant to paragraph 11(d) on November 13, 2002. The list of O&M practices and emission control technologies to use on an ongoing basis was incorporated into the Consent Decree on June 25, 2004.

The BOF demonstration was completed October 28, 2002, and the demonstration report was submitted on November 22, 2002. Written notice from EPA alleging noncompliance for the BOF demonstration test was received on January 10, 2003, and SNA's Proposed Plan for Use of Operation and Maintenance Practices and Emission Control Technologies was submitted on March 10, 2003. EPA has not yet responded to the Proposed Plan, and the use of ongoing O&M practices and emission control technologies has not been established with EPA. However, during this interim period, SNA is conducting the weekly VE observations and recording the O&M practices and emission control technologies used for every heat.

July 21, 2004

Page 2 of 2

The demonstration report for the "C" Blast Furnace Casthouse demonstration, which was completed on February 7, 2003, was submitted on February 13, 2003. SNA received the written notice of compliance from EPA pursuant to paragraph 11(d) on March 17, 2003. The list of O&M practices and emission control technologies to use on an ongoing basis was incorporated into the Consent Decree on June 25, 2004.

Please feel free to contact me at (313) 845-3217, if you have any questions regarding this subject.

Very truly yours,



D. S. Windeler  
Manager, Environmental Engineering

Attachments

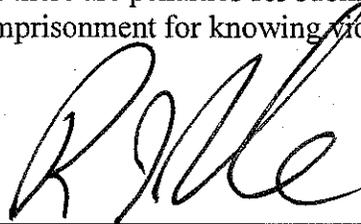
cc: Ms. Gaylene Vasaturo  
Ms. Teresa Seidel  
Mr. Scott R. Dismukes

SEVERSTAL NORTH AMERICA, INC.  
CIVIL ACTION NOS. 00-75452 AND 00-75454

QUARTERLY REPORT FOR APRIL 1 – JUNE 30, 2004

SECTION IV MONITORING	RESULTS
Conduct VE Observations of "C" Blast Furnace Bleeders	See attached VEs
Conduct Weekly VE Observations of "B" Blast Furnace Casthouse	See attached VEs
Conduct Weekly VE Observations of BOF Roof Monitors	See attached VEs
Conduct Weekly VE Observations of "C" Blast Furnace Casthouse	See attached VEs
O&M practices and Control Technologies For B BF	See Exhibit A
O&M practices and Control Technologies For C BF	See Exhibit B

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my directions and my inquiry of the person (s) who manage the system or are directly responsible for gathering the information, the information submitted in this document is true, accurate and complete to the best of my knowledge and belief. I understand that there are penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Ronald J. Nock, Chief Operating Officer

7/22/04

Date

**EXHIBIT A  
SEVERSTAL NORTH AMERICA, INC.**

**CIVIL ACTION NOS. 00-75452 AND 00-75454**

**APRIL 1 - JUNE 30, 2004  
O AND M MONITORING**

**B BLAST FURNACE**

REQUIREMENT	RESULTS
<b>GENERAL</b>	
Use of natural gas suppression	Used every cast
Tap hole/trough natural gas suppression flow rate $\geq$ 135 scfm	Met on every cast.
Iron runners/iron spouts natural gas suppression flow rate $\geq$ 207 scfm	Met on every cast, except for brief periods, with the exception of two casts. The flow rate on each cast achieved or exceeded a flow rate of 207 scfm for a majority of each cast. The two exceptions took place on 6/27/04, when instantaneous readings of 207 scfm and 208 scfm were taken, but where the average gas flow rate appears to have been approximately 202 scfm and 203 scfm, respectively, during the two casts.
Gas lance usage requirements	Used every cast
<b>TAPHOLE AREA</b>	
Visible emission observations during burning open of taphole	No tapholes burned open
drill bit $\leq$ 2" diameter	Used every cast
Natural gas suppression operating continuously during specified times	Used every cast
<b>TROUGH</b>	
Natural gas suppression operating continuously during specified times	Used every cast
Sealing of covered area	Met every cast
<b>IRON RUNNERS</b>	
Natural gas suppression operating continuously during specified times	Used every cast
<b>IRON SPOUTS</b>	
Natural gas suppression operating continuously during specified times	Used every cast
Heating of iron ladles	Met every cast

**EXHIBIT B  
SEVERSTAL NORTH AMERICA, INC.**

**CILIL ACTION NOS. 00-75452 AND 00-75454**

**APRIL 1 TO JUNE 30, 2004 O AND M MONITORING**

**C BLAST FURNACE**

REQUIREMENT	RESULTS
<b>GENERAL</b>	
Use of natural gas suppression	Used every cast
Tap hole/trough natural gas suppression flow rate $\geq$ 129 scfm	Met on every cast.
Iron runners/iron spouts natural gas suppression flow rate $\geq$ 355 scfm	Met on every cast.
Gas lance usage requirements	Used every cast
<b>TAPHOLE AREA</b>	
Visible emission observations during burning open of taphole drill bit $\leq$ 2 1/4" diameter	No tapholes burned open
Fire resistant gasket on mudgun	Used every cast
Natural gas suppression operating continuously during specified times	Used every cast
<b>TROUGH</b>	
Natural gas suppression operating continuously during specified times	Used every cast
Sealing of covered area	Met every cast
<b>IRON RUNNERS</b>	
Natural gas suppression operating continuously during specified times	Used every cast
<b>IRON SPOUTS</b>	
Natural gas suppression operating continuously during specified times	Used every cast
Heating of iron ladles	Met every cast

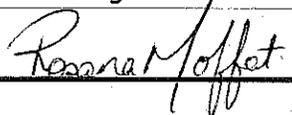
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/29/04  
 OBSERVER: Rosanna Moffet  
 START: am 1:08 pm  
 FINISH: am 2:02 pm  
 Source:  
 B BLAST FURNACE  
 Observation Point  
 WEST SIDE OF  
 BOAT SLIP.  
 distance from: 800'  
 direction from: W  
 source height:  
 75'  
 wind direction  
 wind speed 0-5  
 sky condition CLEAR  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 Remarks;

1:00 PM

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8		5	5	5		38	0	0	0	0	
9	5	10	10	10		39	0	0	0	0	
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14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
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24	0	0	0	0		54	5	5	5	5	
25	0	0	0	0		55	5	5	5	5	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	5	5	
28	0	0	0	0		58	5	5	5	5	
29	0	0	0	0		59	5	5	5	5	

Observer's Signature  


Last Certification Date 5/10/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 12/29/04  
 OBSERVER: Rosanna Morris  
 START: am 2:08 pm  
 FINISH: am 2:02 pm  
 Source:  
 B BLAST FURNACE  
 Observation Point  
 WEST SIDE OF  
 BOAT SLIP  
 distance from: 800'  
 direction from: W  
 source height:  
 75'  
 wind direction  
 wind speed 0-5  
 sky condition CLEAR  
 amb. temp. (F)  
 color of emissions  
 other;  
 Remarks;  
 Observer's Signature

2:00PM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30					
1	5	5	10	10		31					
2	10					32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date \_\_\_\_\_

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/23/04  
 OBSERVER: ROSANA MOFFAT  
 START: 8:00 am pm  
 FINISH: 10:21 am pm  
 Source: B BLAST FURNACE  
 Observation Point: UNPAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height: 75'  
 wind direction: W  
 wind speed: 0-5  
 sky condition: CLEAR  
 amb. temp. (F):  
 color of emissions: White  
 unless stated otherwise:  
 other:  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

8:00

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36			10	20	BLACK
7						37	5	0	0	0	
8						38	0	15	20	20	BROWN
9						39	10	10	10	10	"
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	10	10	20	BROWN
13						43	25	30	30	10	"
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	5	5	5	BLACK
17						47	10	10	0	0	"
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	W
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  
 Rosana Moffat

Last Certification Date 5/10/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 10/23/04

OBSERVER: ROSANA MOFFAT

START: 8:36 am pm

FINISH: 10:21 am pm

Source:  
B BLAST FURNACE

Observation Point  
UNPAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
75'

wind direction W

wind speed 0-5

sky condition CLEAR

amb. temp. (F)

color of emissions white  
unless stated otherwise

other;  
W - WEST CAR  
E - EAST CAR

Remarks;

9:00 AM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	5	5	5	
1	0	0	0	0		31	5	5	5	5	
2	0	0	0	0		32	5	5	5	5	
3	0	0	0	0		33	5	5	5	5	
4	0	0	0	0		34	5	5	5	5	
5	0	0	0	0		35	5	5	5	5	
6	0	0	0	0		36	5	5	5	5	
7	0	0	0	0		37	5	5	5	5	
8	0	0	0	0		38	5	5	5	5	
9	0	0	0	0		39	5	5	5	5	
10	0	0	0	0		40	5	5	5	5	E
11	0	0	0	0		41	5	5	5	5	
12	0	0	0	0		42	5	5	5	5	
13	0	0	0	0		43	5	5	5	5	
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25	0	0	0	0		55	5	5	5	5	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	5	5	
28	0	0	0	0		58	5	5	5	5	
29	0	5	5	5		59	5	5	5	5	

Observer's Signature  
*Rosana Moffat*

Last Certification Date 5/10/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 6/23/04

OBSERVER: ROSANA MORFAT

START: 8:36 am pm

FINISH: 10:21 am pm

Source:  
B BLAST

Observation Point  
PAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
75'

wind direction W

wind speed 0-5

sky condition CLEAR

amb. temp. (F)

color of emissions

other;

Remarks;

10:00 AM PAGE #3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30					
1	5	5	5	5		31					
2	5	5	5	5		32					
3	5	5	5	5		33					
4	5	5	5	5		34					
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13	5	5	5	5		43					
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17	5	5	5	5		47					
18	5	5	5	5		48					
19	5	5	5	5		49					
20	5	5	5	5		50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  
Rosana Morfat

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/15/04  
 OBSERVER: ROSANA HOFFAT  
 START: 9:24 am pm  
 FINISH: 10:26 am pm  
 Source:  
 B BLAST FURNACE  
 Observation Point  
 UNPAVED PARKING LOT  
 distance from: 120'  
 direction from: SE  
 source height:  
 75'  
 wind direction E  
 wind speed 5-10  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;  
 Observer's Signature

9:00 AM PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	E
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
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22						52	5	5	5	5	
23						53	5	0	0	0	
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25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Rosana Hoffat

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/15/04  
 OBSERVER: ROSANA MOFFAT  
 START: 9:24 am pm  
 FINISH: 10:26 am pm  
 Source:  
 B BLAST FURNACE  
 Observation Point  
 UNPAVED PARKING LOT  
 distance from: 120'  
 direction from: SE  
 source height:  
 75'  
 wind direction E  
 wind speed 5-10  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;  
 Observer's Signature

PAGE #2

10:00 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
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10	0	0	0	0		40					
11	0	0	0	0		41					
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22	5	5	5	5		52					
23	5	5	5	5		53					
24	5	10	10	15		54					
25	20	25	25	25		55					
26						56					
27						57					
28						58					
29						59					

Rosana Moffat

Last Certification Date 5/10/04

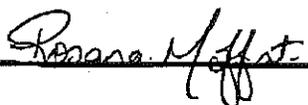
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/12/04  
 OBSERVER: ROSANA MOTTET  
 START: 11:13 am pm  
 FINISH: am 12:30 pm  
 Source: B BLAST FURNACE  
 Observation Point: UNPAVED PARKING LOT  
 distance from: 120'  
 direction from: SE  
 source height: 75'  
 wind direction: E  
 wind speed: 5-10  
 sky condition: OVERCAST  
 amb. temp. (F):  
 color of emissions: white  
 unless stated otherwise  
 other:  
 E - EAST CAR  
 W - WEST CAR  
 Remarks:

Page # 1.

11:00

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3	15	10	10	10	BROWN	33	0	0	0	0	
4	5	5	5	5	W "	34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	E
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
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24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/12/04  
 OBSERVER: Rosanna Moffat  
 START: 11:13 am pm  
 FINISH: am 12:30 pm  
 Source: B BLAST  
 Observation Point: UNPAVED PARKING LOT  
 distance from: 120'  
 direction from: SE  
 source height: 75'  
 wind direction: E  
 wind speed: 5-10  
 sky condition: OVERCAST  
 amb. temp. (F):  
 color of emissions: White  
 unless stated otherwise  
 other:  
W - WEST CAR  
E - EAST CAR  
 Remarks:

PAGE #2

12:00 PM											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	10	10			
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	5	5	5	5		40					
11	5	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	30	50	50	BLACK	57					
28	40	40	35	35	BLACK	58					
29	35	20	15	15		59					

Observer's Signature  
Rosanna Moffat

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 31, 2004

OBSERVER: Rosana Moffat

START: 10:02 am pm

FINISH: am 12:18 pm

Source: B BLAST FURNACE

Observation Point UNPAVED PARKING LOT

distance from: 120'

direction from: SE

source height: ≈ 75'

wind direction SW

wind speed 5-10

sky condition OVERCAST

amb. temp. (F)

color of emissions White  
 unless stated otherwise

other;  
W - WEST CAR  
E - EAST CAR

Remarks;

10:00 AM

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42			5	10	Black
13						43	10	5	5	5	Black
14						44	0	0	0	0	W
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  
Rosana Moffat

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 31, 2004

OBSERVER: RUSANA MOFFAT

START: 10:42 am pm

FINISH: 12:18 pm

Source:  
B BLAST FURNACE

Observation Point  
UNPAVED PARKING LOT

distance from: 120'

direction from: SE

source height:  
75'

wind direction SW

wind speed 5-10

sky condition OVERCAST

amb. temp. (F) 70

color of emissions white

unless stated otherwise  
other;

W- WEST CAR  
E- EAST CAR

Remarks;

11:00 AM

PAGE # 2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	5	5	5	5		34	0	0	0	0	
5	5	5	5	5		35	0	0	0	0	
6	5	5	5	5		36	0	0	0	0	
7	5	5	5	5		37	0	0	0	0	
8	5	5	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	5	5	5	5	
17	0	0	0	0		47	5	5	5	5	
18	0	0	0	0		48	5	5	5	5	
19	0	0	0	0		49	5	5	5	5	
20	0	0	0	0		50	5	5	5	5	
21	0	0	0	0	F	51	5	5	5	5	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature

*Rusana Moffat*

Last Certification Date

5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 31, 2004

OBSERVER: Rosana Maffei

START: 10:42 am pm

FINISH: 12:18 am pm

Source:  
B BLAST FURNACE

Observation Point  
UNPAVED PARKING LOT

distance from: 120'

direction from: SE

source height:  
7.5'

wind direction SW

wind speed 5-10

sky condition overcast/clear

amb. temp. (F) 70

color of emissions white  
unless stated otherwise

other:

Remarks;

Observer's Signature  
Rosana Maffei

12:00 PM

PAGE #3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	30	50	BLACK	45					
16	50	40	25	25	BLACK	46					
17	25	20	20		BLACK	47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 24 2004  
 OBSERVER: ROSANA MOFFAT  
 START: am 12:21 pm  
 FINISH: am 1:16 pm  
 Source:  
 B BLAST FURNACE  
 Observation Point  
 UNPAVED PARKING LOT  
 distance from: A 150'  
 direction from: E  
 source height:  
 75'  
 wind direction NW  
 wind speed 15-20  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions White  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

12:00 PM

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	10	10	10	10	
1						31	10	10	10	10	
2						32	10	10	5	5	
3						33	5	5	5	5	
4						34	10	15	15	15	
5						35	15	15	15	15	
6						36	15	15	15	15	
7						37	15	15	15	15	
8						38	15	15	15	15	
9						39	10	5	5	5	
10						40	5	5	5	5	
11						41	5	5	5	5	
12						42	5	15	15	15	
13						43	15	15	15	15	
14						44	15	15	15	15	
15						45	15	10	10	10	
16						46	10	10	10	10	
17						47	10	10	10	10	
18						48	10	5	5	5	
19						49	10	10	10	10	
20						50	10	10	10	10	
21		5	15	15	E	51	10	10	10	10	
22	15	15	15	15		52	10	10	20	20	
23	10	10	5	5		53	20	20	20	20	
24	5	5	5	5		54	20	15	15	15	
25	5	5	5	5		55	15	15	15	15	
26	5	5	5	5		56	15	15	15	15	
27	5	5	5	5		57	20	20	20	20	
28	10	10	10	10		58	20	20	20	20	
29	10	10	10	10		59	15	15	15	15	

Observer's Signature

*Rosana Moffat*

Last Certification Date 5/11/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 24, 2004

OBSERVER: ROSANA MOTTAT

START: am 12:21 pm

FINISH: am 1:10 pm

Source:  
B BLAST FURNACE

Observation Point  
UNPAVED PARKING LOT

distance from: ~150'

direction from: E

source height:  
75'

wind direction NW

wind speed 15-20

sky condition cloudy

amb. temp. (F) 67.0

color of emissions white

unless stated otherwise  
other;

Remarks;

1:00 PM PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	15	10	10	10		30					
1	5	5	5	5		31					
2	5	5	5	5		32					
3	5	5	5	5		33					
4	5	5	5	5		34					
5	5	5	5	5		35					
6	5	5	5	5		36					
7	5	5	5	5		37					
8	5	5	5	5		38					
9	5	5	5	5		39					
10	5	5	5	5		40					
11	5	5	5	5		41					
12	5	5	5	5		42					
13	15	40	40	40	BLACK	43					
14	30	20	10	5		44					
15	0	0	0	0		45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  
Rosana Mottat

Last Certification Date 5/11/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1 of 2

DATE: 5/17/04

OBSERVER: Ben Kroeger

START: am 13:00 pm

FINISH: am pm

Source: B Blast  
Furnace

Observation Point gravel  
lot across canal

distance from: 600'

direction from: W

source height: 75'

wind direction SE

wind speed 10-15

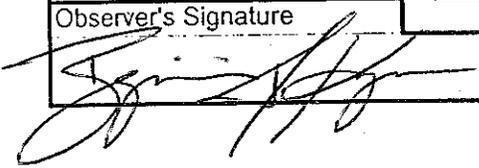
sky condition clear

amb. temp. (F) 70-75

color of emissions brown  
unless stated otherwise

other;

Remarks;

Observer's Signature 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	5	5	5	
3	0	0	0	0		33	5	5	5	5	
4	0	0	0	0		34	5	5	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	5	5	5	
9	0	0	0	0		39	5	5	5	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	5	5	5	
12	0	0	0	0		42	5	5	5	5	
13	0	0	0	0		43	5	5	5	5	
14	0	0	0	0		44	5	5	5	5	
15	0	0	0	0		45	5	5	5	5	
16	0	0	0	0		46	5	5	5	0	
17	5	5	5	5		47	5	5	5	5	
18	10	5	5	0		48	5	5	5	5	
19	0	0	0	0		49	5	5	5	5	
20	0	0	0	0		50	5	5	5	5	
21	0	0	0	0		51	5	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	5	5	5	5		53	0	0	5	5	
24	5	5	5	5		54	5	5	5	5	
25	5	5	0	0		55	5	5	5	0	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	5	5	
28	0	0	5	5		58	5	5	5	5	
29	5	0	0	0		59	5	5	5	5	

Last Certification Date 4/17/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2 of 2

DATE: 5/17/04  
 OBSERVER: Ben Krueger  
 START: am 13:00 pm  
 FINISH: am 14:16 pm  
 Source: B Blast  
 Furnace  
 Observation Point gravel  
 lot across canal  
 distance from: 600'  
 direction from: W  
 source height: 75'  
 wind direction SE  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 75-80  
 color of emissions brown  
 unless stated otherwise  
 other;  
 Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30					
1	5	10	5	5	red	31					
2	5	5	5	5		32					
3	5	5	5	5		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	5	5		40					
11	5	10	65	65		41					
12	60	60	50	30		42					
13	15	15	15	10		43					
14	5	5	5	5		44					
15	5	0	0	0		45					
16	-	-	-	-		46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

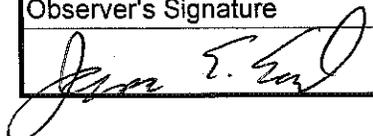
Observer's Signature 

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-11-04  
 OBSERVER: J. Earl  
 START: 8:54 (am) pm  
 FINISH: am pm  
 Source:  
 B BF Roof Monitor  
 Observation Point  
 Unpaved lot  
 distance from: 500'  
 direction from: E  
 source height:  
 75'  
 wind direction ENE  
 wind speed 15-20  
 sky condition Cloudy  
 amb. temp. (F) 58  
 color of emissions  
 Red, Brown  
 other;  
 Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54	0	0	0	20	
25						55	30	25	60	20	
26						56	5	0	0	0	
27						57	0	0	0	0	Widk
28						58	0	0	0	5	
29						59	5	5	5	5	

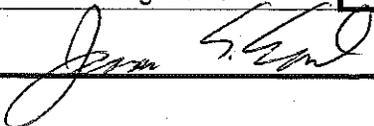
Observer's Signature  


Last Certification Date Apr. 1 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-11-04  
 OBSERVER: J. Earl  
 START: 8:54 (am) pm  
 FINISH: 9:46 (am) pm  
 Source:  
 BBF Roof & Membrane  
 Observation Point  
 Unpaved lot  
 distance from: 500  
 direction from: E  
 source height:  
 75'  
 wind direction ENE  
 wind speed 15-20  
 sky condition Cloudy  
 amb. temp. (F) 53  
 color of emissions  
 Red, brown  
 other;  
 Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30	0	0	0	0	
1	5	5	5	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	5		41	0	0	0	0	
12	0	5	5	5		42	0	0	0	0	
13	5	5	5	5		43	0	0	0	5	
14	5	5	10	5		44	5	5	5	10	E. side
15	5	5	5	5		45	50	40	25	5	plug
16	5	5	5	5		46	5	5	5	5	
17	5	5	5	5		47					
18	5	5	5	5		48					
19	5	5	5	5		49					
20	5	5	5	5		50					
21	5	5	5	10		51					
22	0	5	5	5		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Observer's Signature  


Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1 of 2

DATE: 5/3/04

OBSERVER: Bey / Kroeyer

START: 10:58am pm

FINISH: 11:59am pm

Source: B Blast  
Furnace

Observation Point gravel  
parking lot off  
Miller Road

distance from: 500'

direction from: E

source height: 75'

wind direction NW

wind speed 5-10

sky condition clear

amb. temp. (F) 40-45

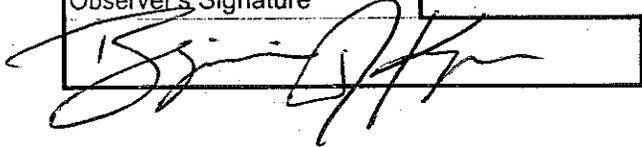
color of emissions brown  
unless stated otherwise

other:  
E - east car  
W - west car

Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57	-	-	-	-	
28						58	5	5	20	15	
29						59	5	0	0	0	

Observer's Signature



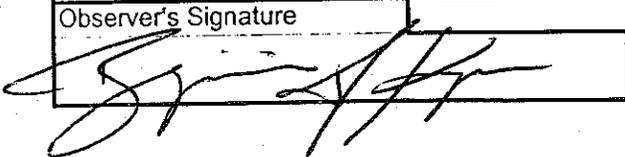
Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2 of 2

DATE: 5/3/04  
 OBSERVER: Ben Kroeger  
 START: 10:58 am pm  
 FINISH: 11:59 am pm  
 Source: B Blast Furnace  
 Observation Point gravel parking lot off Miller Road  
 distance from: 500'  
 direction from: E  
 source height: 75'  
 wind direction NNW  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 40-45  
 color of emissions brown unless stated otherwise  
 other:  
 E - east car  
 W - west car  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	5	5	5	E	30	5	5	5	5	
1	5	5	5	5		31	5	5	5	5	
2	5	5	0	0		32	5	5	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	5	5	5		35	0	0	0	0	
6	5	5	5	5		36	0	0	0	0	
7	5	5	5	5		37	0	0	0	0	
8	5	5	5	5		38	0	0	0	0	
9	5	0	0	5		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	5		41	5	0	0	0	
12	5	5	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	5	5	5	
15	0	0	5	0		45	5	5	5	5	
16	0	0	0	0		46	5	5	5	5	
17	0	5	5	5		47	5	5	5	5	
18	0	0	0	0		48	5	5	5	0	
19	5	5	5	5		49	0	0	0	0	
20	5	5	5	5	W	50	0	0	5	5	
21	5	5	5	5		51	0	0	0	0	
22	5	5	5	5		52	0	0	0	5	
23	5	5	5	5		53	5	5	5	5	
24	5	0	0	0		54	5	5	5	5	
25	0	5	5	5		55	0	5	5	5	
26	5	5	5	5		56	5	10	10	15	
27	0	0	5	5		57	15	30	40	40	W
28	5	5	0	5		58	10	5	5	0	
29	5	5	5	5		59	0	0	0	0	

Observer's Signature 

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/29/04

OBSERVER: Ben Koeger

START: am 14:45 pm

FINISH: am pm

Source: B Blast  
Furnace

Observation Point parking  
lot across canal

distance from: 1000'

direction from: W

source height: 75'

wind direction SW

wind speed 15-20

sky condition partly cloudy

amb. temp. (F) 75-80

color of emissions brown

Unless stated otherwise  
other;

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	5	
18						48	10	15	25	30	
19						49	5	5	5	5	
20						50	5	5	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  


Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/29/04

OBSERVER: Ben Kroeger

START: am 14:45pm

FINISH: am pm

Source: Blast Furnace

Observation Point: parking lot across canal

distance from: 600'

direction from: W

source height: 75'

wind direction: SW

wind speed: 15-20

sky condition: partly cloudy

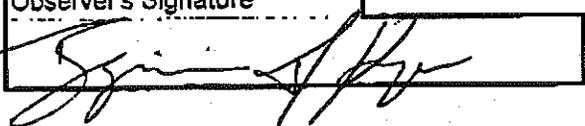
amb. temp. (F): 75-80

color of emissions: brown

unless stated otherwise

other:

Remarks:

Observer's Signature: 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	5	0	0	5	
18	0	0	0	0		48	5	5	5	30	
19	0	0	0	0		49	80	80	50	30	
20	0	0	0	0		50	10	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date: 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

P. 1 of 2

DATE: 4-19-04

OBSERVER: LS

START: 10:15 am pm

FINISH: 11:45 am pm

Source: B-Blast

Observation Point

distance from: 500'

direction from: E

source height: 75'

wind direction W

wind speed 3-5

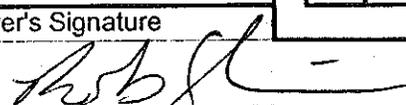
sky condition overcast

amb. temp. (F) 75

color of emissions

other;

Remarks;

Observer's Signature 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	10	
8						38	10	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	10	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0	B	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0	E	54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

p 2 of 2

DATE: 4-19-04  
 OBSERVER: KS  
 START: 1015 am pm  
 FINISH: 1145 am pm  
 Source: B-Blast  
 Observation Point  
 distance from: 500'  
 direction from: E  
 source height: 75'  
 wind direction: W  
 wind speed: 3-5mph  
 sky condition: overcast  
 amb. temp. (F): 75  
 color of emissions: Brown  
 other:  
 Remarks:  
 Observer's Signature: *Rob [Signature]*

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	15	15	10	10	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	10	10	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	10	10	10	
13	0	0	0	0		43	10	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	15	WGR	57					
28	20	15	15	20		58					
29	15	10	15	20		59					

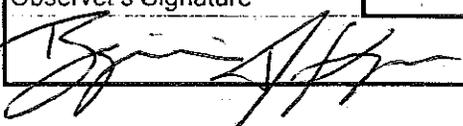
Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/12/04  
 OBSERVER: Ben Kroeger  
 START: 10:47am pm  
 FINISH: 11:50 am pm  
 Source: B Blast Furnace  
 Observation Point parking lot off Miller Road  
 distance from: 500'  
 direction from: E  
 source height: 75'  
 wind direction NE  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 35-40  
 color of emissions brown unless otherwise stated  
 other:  
 E - east car  
 W - west car  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46	-	-	-	-	
17						47	0	0	0	0	
18						48	0	0	0	5	
19						49	20	15	5	0	
20						50	0	0	0	0	
21						51	0	0	0	0	E
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  


Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2

DATE: 4/12/04

OBSERVER: Ben Krueger

START: 10:47am pm

FINISH: 11:50 am pm

Source: B Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 75'

wind direction NE

wind speed 10-15

sky condition clear

amb. temp. (F) 35-40

color of emissions brown  
unless otherwise stated

other:  
E - east car  
W - west car

Remarks:

Observer's Signature



MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		30	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		32	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		35	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		36	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		37	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		38	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		39	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		40	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		41	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	W	42	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		44	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
17	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		47	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		48	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		49	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		50	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		51					
22	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		52					
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		53					
24	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		54					
25	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		55					
26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		56					
27	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		57					
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		58					
29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		59					

Last Certification Date

4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/8/04

OBSERVER: Ben Kroeger

START: 11:06 am pm

FINISH: am 12:09 pm

Source: B Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 75'

wind direction ~~X~~ E

wind speed 10-15

sky condition overcast

amb. temp. (F) 50-55

color of emissions brown  
Unless stated otherwise

other;  
E - east car  
W - west car

Remarks;

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	5	
5	-	-	-	-		35	5	5	5	5	
6	15	20	25	25		36	5	5	5	5	
7	25	25	20	5		37	5	5	5	5	
8	0	0	0	0	E	38	5	5	5	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	5	
12	0	6	0	0		42	0	5	5	5	
13	0	0	0	0		43	5	5	5	0	
14	0	0	0	0		44	0	0	0	5	W
15	0	0	0	0		45	5	5	5	5	
16	0	0	0	0		46	5	5	0	0	
17	0	0	0	0		47	0	5	5	5	
18	0	0	0	0		48	5	5	5	5	
19	0	0	0	0		49	5	5	5	5	
20	0	0	0	0		50	5	5	5	5	
21	0	0	0	0		51	5	5	5	5	
22	0	0	0	0		52	5	5	5	5	
23	0	0	0	5		53	5	5	5	5	
24	0	0	0	0		54	5	5	5	5	
25	0	5	5	5		55	5	5	5	5	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	5	5	
28	0	0	0	0		58	5	5	5	5	
29	0	0	0	0		59	5	5	5	5	

*Ben Kroeger*

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/8/04

OBSERVER: Ben Kwoeger

START: 11:06 am pm

FINISH: am 12:09 pm

Source: B Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 75'

wind direction E

wind speed 10-15

sky condition overcast

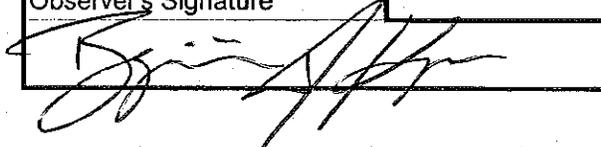
amb. temp. (F) 50-55

color of emissions brown  
Unless stated otherwise

other:  
E - east car  
W - west car

Remarks:

Observer's Signature



MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	0	0		30					
1	5	5	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	5	5		34					
5	5	5	100	75		35					
6	60	60	50	15		36					
7	10	5	5	0		37					
8	0	0	0	0		38					
9	-	-	-	-		39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 4/7/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 6/23/04

OBSERVER: Rosanna Moffat

START: 9:56 am pm

FINISH: am pm

Source:  
C BLAST FURNACE

Observation Point  
PAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
90'

wind direction W

wind speed 0-5

sky condition CLEAR

amb. temp. (F)

color of emissions white  
unless stated otherwise

other;  
W - WEST CAR  
E - EAST CAR

Remarks;

9:00 AM

PAGE #/

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56		<u>15</u>	<u>15</u>	<u>15</u>	<u>BLACK</u>
27						57	<u>15</u>	<u>15</u>	<u>10</u>	<u>10</u>	<u>"</u>
28						58	<u>10</u>	<u>5</u>	<u>5</u>	<u>5</u>	<u>E</u>
29						59	<u>5</u>	<u>5</u>	<u>0</u>	<u>0</u>	

Observer's Signature  
Rosanna Moffat

Last Certification Date 5/10/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 10/23/08

OBSERVER: ROSANA MOFFAT

START: 9:30 am pm

FINISH: am 12:57 pm

Source:  
C BLAST FURNACE

Observation Point  
PAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
90'

wind direction W

wind speed 0-5

sky condition CLEAR

amb. temp. (F)

color of emissions White  
unless stated otherwise

Remarks;

10:00 AM

Page #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30	○	○	○	○	
1	○	○	○	○		31	○	○	○	○	
2	○	○	○	○		32	○	○	○	○	
3	○	○	○	○		33	○	○	○	○	
4	○	○	○	○		34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	
7	○	○	○	○		37	○	15	15	10	BROWN
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	
25	○	○	○	○		55	○	○	○	○	
26	○	○	○	○		56	○	○	○	○	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	
29	○	○	○	○		59	○	○	○	○	

Observer's Signature  
*Rosana Moffat*

Last Certification Date 5/10/08

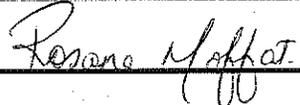
**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 10/23/04  
 OBSERVER: ROSANA MOFFAT  
 START: 9:56 am pm  
 FINISH: am 12:57 pm  
 Source:  
C BLAST FURNACE  
 Observation Point  
PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
90'  
 wind direction W  
 wind speed 0-5  
 sky condition CLEAR  
 amb. temp. (F)  
 color of emissions White  
 unless stated otherwise;  
 other:  
W - WEST CAR  
E - EAST CAR  
 Remarks;

Page #3

11:00 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	5	5	5	
18	0	0	0	0		48	5	5	5	5	
19	0	0	0	0		49	5	5	5	5	
20	0	0	0	0		50	5	5	5	5	
21	0	0	0	0		51	5	5	5	5	
22	0	0	0	0		52	5	5	5	5	
23	0	0	0	0		53	5	5	5	5	
24	0	0	0	0		54	5	5	5	5	
25	0	0	0	0		55	5	5	5	5	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	5	5	
28	0	0	0	0		58	5	5	5	5	
29	0	0	0	0		59	5	5	5	5	W

Observer's Signature  


Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/23/04  
 OBSERVER: ROSANA MOFFAT  
 START: 9:56 am pm  
 FINISH: am 12:57 pm  
 Source: C BLAST FURNACE  
 Observation Point: PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height: 90'  
 wind direction: W  
 wind speed: 0-5  
 sky condition: CLEAR  
 amb. temp. (F):  
 color of emissions:  
 other:  
 W - WEST CAR  
 E - EAST CAR  
 Remarks:

12:00 PM

PAGE #4

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30	10	10	10	10	
1	5	5	5	5		31	10	10	10	10	
2	5	5	5	5		32	10	10	10	10	
3	5	5	5	5		33	10	10	10	10	
4	5	5	5	5		34	10	5	5	5	
5	5	5	5	5		35	5	5	5	5	
6	5	5	5	5		36	5	5	5	5	
7	5	5	5	5		37	5	5	5	5	
8	5	5	5	5		38	5	5	5	5	
9	5	5	5	5		39	5	5	5	5	
10	5	5	5	5		40	5	5	5	5	
11	5	5	5	5		41	5	5	5	5	
12	5	5	5	5		42	5	5	5	5	
13	5	5	5	5		43	5	5	5	5	
14	5	5	5	5		44	5	5	5	5	
15	5	5	5	5		45	5	5	5	5	
16	5	5	5	5		46	5	5	5	5	
17	5	5	5	5		47	5	5	5	5	
18	5	5	5	5		48	5	5	5	5	
19	5	5	5	5		49	5	5	5	5	
20	5	5	5	5		50	5	5	5	5	
21	5	5	5	5		51	5	5	5	5	
22	5	5	5	5		52	5	5	5	5	
23	5	5	5	5		53	5	5	5	5	E
24	5	5	5	5		54	5	5	5	5	
25	5	5	5	5	E	55	5	5	5	5	
26	10	10	10	10		56	0	0	0	0	
27	10	10	10	10		57					
28	10	10	10	10		58					
29	10	10	10	10		59					

Observer's Signature  


Last Certification Date 5/13/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/16/04  
 OBSERVER: ROSANA MORFAT  
 START: 8:30 am pm  
 FINISH: 10:04 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction E  
 wind speed 0-5  
 sky condition OVERCAST  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;  
 Observer's Signature

8:30AM Page #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50	0	5	5	5	
21						51	5	5	5	0	E
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	5	5	10	5	Brown, W
29						59	5	5	5	5	

Rosana Morfat

Last Certification Date 5/10/04

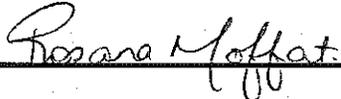
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/16/04.  
 OBSERVER: Rosana Moffat  
 START: 8:50am pm  
 FINISH: 10:04 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction E  
 wind speed 0-5  
 sky condition OVERCAST  
 amb. temp. (F)  
 color of emissions White  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR.  
 Remarks;

9:00AM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30	0	0	0	0	
1	5	5	5	5	E	31	0	0	0	0	
2	15	5	5	5	BROWN	32	0	0	0	0	
3	5	5	5	5		33	0	0	0	0	
4	5	5	5	5		34	0	0	0	0	
5	5	5	5	5		35	0	0	0	0	
6	5	5	5	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0	W	44	0	0	5	10	BROWN
15	0	0	0	0		45	10	10	10	10	W
16	0	0	0	0		46	10	10	10	10	
17	0	0	0	0		47	10	5	5	5	
18	0	0	0	0		48	5	5	5	5	
19	0	0	0	0		49	5	5	5	5	
20	0	0	10	10	E, BROWN	50	5	0	0	0	
21	0	0	0	0		51	0	0	0	5	
22	0	0	0	0		52	5	5	5	5	
23	0	0	0	0		53	5	5	5	5	
24	0	0	0	0		54	10	10	10	15	
25	0	0	0	0		55	10	10	10	10	
26	0	0	0	0		56	10	10	10	10	
27	0	0	0	0		57	10	10	10	10	
28	0	0	0	0		58	10	10	10	10	
29	0	0	0	0		59	10	10	10	10	

Observer's Signature  


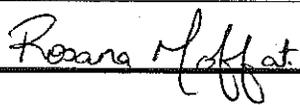
Last Certification Date 5/10/04.

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/16/04  
 OBSERVER: ROSANA HOFFAT  
 START: 8:50 am pm  
 FINISH: 10:04 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKINGLOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction E  
 wind speed 0-5  
 sky condition OVERCAST  
 amb. temp. (F)  
 color of emissions  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

Page #3

10:00											
MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	10	15	15	Black	30					
1	15	15	30	40	Black	31					
2	40	35	35	35	Black	32					
3	15	15	10			33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  


Last Certification Date 5/10/04

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 10/8/04

OBSERVER: Rosanna Moffat

START: 10:55 am pm

FINISH: 11:59 am pm

Source:  
CBLAST FURNACE

Observation Point  
PAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
90'

wind direction SW

wind speed 5-10

sky condition CLEAR

amb. temp. (F)

color of emissions White

unless stated otherwise

other;  
W - WEST CAR  
E - EAST CAR

Remarks;

10:00 AM

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55			5	5	Black
26						56	5	5	0	0	E
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  
*Rosanna Moffat*

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/18/00  
 OBSERVER: ROSANA MOTTAT  
 START: 10:55 am pm  
 FINISH: 11:59 am pm

Source:  
 C BLAST FURNACE

Observation Point  
 PAVED PARKINGLOT

distance from: 120'  
 direction from: E  
 source height:  
 90'

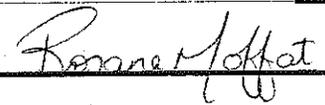
wind direction SW  
 wind speed 5-10  
 sky condition CLEAR  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 W- WEST CAR  
 E- EAST CAR

Remarks;

PAGE # 2

11:00AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	5	5		30	5	5	5	5	
1	5	5	5	5		31	5	5	5	5	
2	5	5	5	5		32	5	10	10	5	E
3	5	5	5	5		33	5	5	5	5	
4	5	5	5	5		34	5	5	5	5	
5	5	5	5	5		35	5	5	5	5	
6	5	5	5	5		36	5	5	5	5	
7	5	5	5	5		37	5	5	5	5	
8	5	5	5	5		38	5	5	5	5	
9	5	5	5	5		39	5	5	5	5	
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13	5	5	5	5		43	5	5	5	5	
14	5	5	5	5		44	5	5	5	5	
15	5	5	5	5		45	5	5	5	5	
16	5	5	5	5		46	5	5	5	5	
17	5	5	5	5	W	47	5	5	5	5	
18	5	5	5	5		48	5	5	5	5	
19	5	5	5	5		49	5	5	5	5	
20	5	5	5	5		50	5	5	5	5	
21	5	5	5	5		51	5	5	5	5	
22	5	5	5	5		52	5	5	5	5	
23	5	5	5	5		53	5	5	5	5	
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25	5	5	5	5		55	5	5	5	5	
26	5	5	5	5		56	5	5	5	5	
27	5	5	5	5		57	5	50	50	45	BLACK.
28	5	5	5	5		58	40	40	40	40	ORANGE
29	5	5	5	5		59	20	20			11.

Observer's Signature  


Last Certification Date 5/10/04

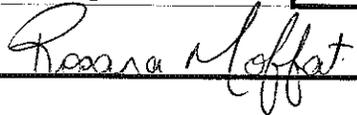
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/3/07  
 OBSERVER: ROSANA MOFFAT  
 START: 7:40 am pm  
 FINISH: 9:20 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction N  
 wind speed 5-10  
 sky condition CLEAR  
 amb. temp. (F) 57  
 color of emissions White  
 (unless stated otherwise)  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

7:00AM

Page #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40	0	0	0	5	
11						41	10	20	25	20	BROWN
12						42	20	15	5	5	E
13						43	5	5	5	5	
14						44	5	5	5	5	
15						45	5	5	5	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
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23						53	0	0	0	0	
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25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/07

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/3/04  
 OBSERVER: ROSANA MOFFAT  
 START: 7:40 am pm  
 FINISH: 9:20 am pm  
 Source:  
 C BLAST  
 Observation Point  
 PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction N  
 wind speed 5-10  
 sky condition CLEAR  
 amb. temp. (F) 57  
 color of emissions White  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

8:00AM

PAGE # 2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	5	5	5	
1	0	0	0	0		31	5	5	5	5	
2	0	0	0	0		32	5	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	E
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0	W	58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

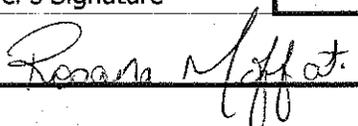
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/3/04  
 OBSERVER: ROSANA MOFFAT  
 START: 7:40 am pm  
 FINISH: 9:20 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKING LOT  
 distance from: 120'  
 direction from: E  
 source height:  
 90'  
 wind direction N  
 wind speed 5-10  
 sky condition CLEAR  
 amb. temp. (F) 61  
 color of emissions White  
 unless stated otherwise  
 other;  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

9:00 AM

PAGE #3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	5	BROWN	43					
14	10	5	5	5	BROWN	44					
15	5	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  


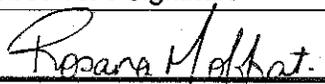
Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 24, 2004  
 OBSERVER: Rosana Moffat  
 START: 9:11 am pm  
 FINISH: 11:18 am pm  
 Source:  
C BLAST FURNACE  
 Observation Point  
PAVED PARKING LOT  
EAST OF FURNACE  
 distance from: ≈ 150'  
 direction from: E  
 source height:  
90'  
 wind direction NW  
 wind speed 15-20  
 sky condition CLOUDY  
 amb. temp. (F) 57  
 color of emissions White  
 unless stated otherwise  
 other;  
E - EAST CAR  
W - WEST CAR  
 Remarks;

9:00 AM PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	10	
3						33	5	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11	10	10	5	5		41	0	0	0	0	W
12	5	20	20	20	E	42	0	0	0	0	
13	15	5	5	5		43	0	0	0	0	
14	5	5	0	0		44	0	0	0	20	E
15	0	0	0	0		45	20	15	10	5	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	5	5	10	20	Brown
26	0	5	5	0		56	25	20	15	15	Brown
27	0	0	0	0		57	5	5	5	5	
28	0	0	0	0		58	5	5	10	10	
29	0	0	0	0		59	10	10	10	10	

Observer's Signature  


Last Certification Date 5/11/04

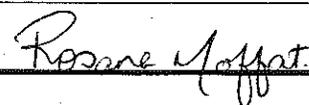
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 24, 2004  
 OBSERVER: ROSANA MOFFAT  
 START: 9:11 am pm  
 FINISH: 11:18 am pm  
 Source:  
 C BLAST FURNACE  
 Observation Point  
 PAVED PARKING LOT  
 EAST OF FURNACE  
 distance from: ~ 150'  
 direction from: E  
 source height:  
 90'  
 wind direction NW  
 wind speed 15-20  
 sky condition CLOUDY  
 amb. temp. (F) 60  
 color of emissions white  
 unless stated otherwise  
 other:  
 W - WEST CAR  
 E - EAST CAR  
 Remarks;

PAGE # 2

10:00 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0	W	42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	5	5	5	5		44	0	0	0	0	
15	5	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	5	E
17	0	0	0	0		47	5	5	10	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	20	20	E, W	51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	5	
25	0	0	0	0		55	5	5	5	5	
26	0	0	0	0		56	5	5	5	5	
27	0	0	0	0		57	5	5	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/11/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 24 2004  
 OBSERVER: ROSANA MOFFAT  
 START: 9:11 am pm  
 FINISH: 11:16 am pm  
 Source:  
C BLAST FURNACE  
 Observation Point  
PAVED PARKING LOT  
EAST OF FURNACE  
 distance from: 150  
 direction from: E  
 source height:  
90'  
 wind direction NW  
 wind speed 15-20  
 sky condition CLOUDY  
 amb. temp. (F) 107  
 color of emissions White  
 unless noted otherwise  
 other;  
W - WEST CAR  
E - EAST CAR  
 Remarks;  
 Observer's Signature

11:00AM

PAGE #3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	5	5	0	0		34					
5	0	0	0	0		35					
6	5	5	5	5		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	5	10		44					
15	10	15	15	20		45					
16	10	10	10	10		46					
17	5	5	5	5		47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Rosana Moffat

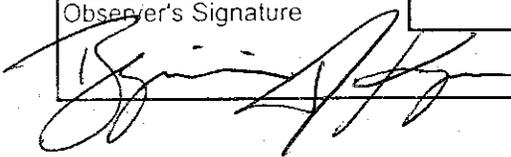
Last Certification Date 5/11/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1 of 2

DATE: 5/18/04  
 OBSERVER: Ben Kroeger  
 START: am 12:13 pm  
 FINISH: am 13:56 pm  
 Source: C Blast Furnace  
 Observation Point parking lot across canal  
 distance from: 600'  
 direction from: W  
 source height: 90'  
 wind direction W  
 wind speed 5-10  
 sky condition partly cloudy  
 amb. temp. (F) 65-70  
 color of emissions brown unless stated otherwise  
 other;  
 Remarks;  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	5	0	0	0	
9						39	0	5	5	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12	-	-	-	-		42	0	0	5	0	
13	0	0	0	0		43	5	5	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	5	5	
16	0	0	0	0		46	0	5	5	5	
17	0	0	0	0		47	5	5	0	0	
18	0	0	0	0		48	5	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	5	
26	0	0	0	0		56	5	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature 

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2 of 2

DATE: 5/18/04

OBSERVER: Ben Krueger

START: am 12:13 pm

FINISH: am 13:56 pm

Source: C Blast  
Furnace

Observation Point parking  
lot across canal

distance from: 600'

direction from: NW

source height: 90'

wind direction W

wind speed 5-10

sky condition partly cloudy

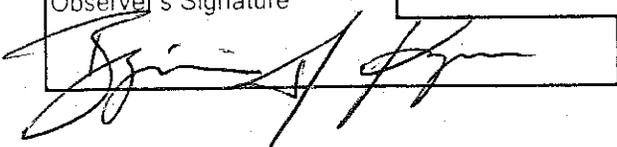
amb. temp. (F) 65-70

color of emissions, brown  
unless stated otherwise

other:

Remarks:

Observer's Signature



Last Certification Date 4/7/04

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	5	5	0	0	
4	0	0	5	5		34	0	0	0	0	
5	0	0	0	5		35	0	0	0	0	
6	0	0	0	0		36	5	5	5	5	
7	0	0	0	0		37	5	5	5	5	
8	0	0	0	0		38	5	5	5	5	
9	0	0	0	0		39	5	5	5	5	
10	0	0	0	0		40	5	5	5	5	
11	0	0	0	0		41	5	5	5	5	
12	0	0	0	0		42	5	5	5	0	
13	0	0	0	0		43	5	5	0	5	
14	0	0	0	0		44	0	0	5	5	
15	0	0	0	0		45	5	5	5	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	5	
18	0	0	0	0		48	5	0	0	0	
19	0	0	0	0		49	5	5	5	5	
20	0	0	0	0		50	5	5	5	0	
21	0	0	0	0		51	5	5	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	5	5	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	-	-	-	-	
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: S-11-04

OBSERVER: J. Earl

START: 10:29 am pm

FINISH: 12:17 am pm

Source:  
C BF Roof Monitor

Observation Point  
Parking Lot

distance from: 400'

direction from: E

source height:  
90'

wind direction E

wind speed 15-20

sky condition cloudy

amb. temp. (F) 65

color of emissions  
Red, brown

other;

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	5	0	0	0	E
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	W
15						45	0	0	0	0	
16						46	0	0	0	30	E
17						47	20	10	5	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	5	5	
29	15	15	40	10		59	5	5	5	10	

Observer's Signature

*J. Earl*

Last Certification Date

April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-11-04  
 OBSERVER: J. Earl  
 START: 10:29 am pm  
 FINISH: am 12:17 pm  
 Source: CBF Roof Monitor  
 Observation Point: Parking Lot  
 distance from: 400'  
 direction from: E  
 source height: 90'  
 wind direction: E  
 wind speed: 5-10  
 sky condition: P. Sunny  
 amb. temp. (F): 65  
 color of emissions: Red, brown  
 other:  
 Remarks;  
 Observer's Signature: *J. Earl*

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	10	10	10		30	0	0	0	0	
1	10	10	10	10		31	0	0	0	5	
2	10	10	10	10		32	0	0	0	0	
3	10	5	5	5		33	0	0	0	0	
4	5	5	5	5		34	0	0	0	0	
5	5	5	5	5		35	0	0	0	0	
6	0	5	5	5		36	0	0	0	0	
7	5	5	5	5		37	0	0	0	0	
8	5	5	5	5		38	0	0	0	0	
9	5	5	5	5		39	0	5	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	5	5		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0	W	43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0	E	45	0	0	0	0	
16	30	30	15	5		46	0	0	0	0	
17	5	5	5	5	Slag	47	0	0	0	0	2nd
18	5	5	5	0	over dam	48	0	0	0	0	Slag lot
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	W
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-11-04  
 OBSERVER: J. Earl  
 START: 10:29 am pm  
 FINISH: am 12:17 pm  
 Source: C BF Roof Monitor  
 Observation Point: Parking Lot  
 distance from: 400'  
 direction from: E  
 source height: 90'  
 wind direction: E  
 wind speed: 10-15  
 sky condition: P. Sunny  
 amb. temp. (F): 65  
 color of emissions: Red, Brown  
 other:  
 Remarks:  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	5	5	5		33					
4	5	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	5	50	40	20	plug	45					
16	10	10	10	5		46					
17	5	5	5	5		47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

*J. Earl*

Last Certification Date April 04

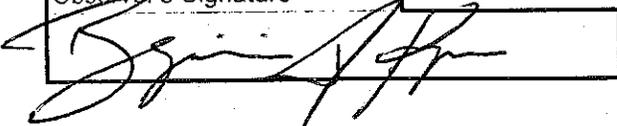
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 1 of 4

DATE: 5/5/04  
 OBSERVER: Ben Kroeyer  
 START: 8:55 am pm  
 FINISH: 11:26 am pm  
 Source: C Blast Furnace  
 Observation Point parking lot off Miller Road  
 distance from: 500'  
 direction from: E  
 source height: 90'  
 wind direction NNW  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 50-55  
 color of emissions brown unless stated otherwise  
 other:  
 E - east car  
 W - west car  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54	-	-	-	-	
25						55	0	0	10	15	
26						56	20	25	15	10	
27						57	5	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Observer's Signature



Last Certification Date

4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2 of 4

DATE: 5/5/04

OBSERVER: Ben Kroger

START: 8:55 am pm

FINISH: 11:26 am pm

Source: C Blast Furnace

Observation Point parking lot off Miller Road

distance from: 500'

direction from: E

source height: 90'

wind direction: NNW

wind speed: 10-15

sky condition: clear

amb. temp. (F): 50-55

color of emissions: brown unless stated otherwise

other:

Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	5	5		30	0	0	0	0	
1	0	5	5	5		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	5	5	5	5	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	5	5	5	5		57	0	0	0	0	
28	10	5	5	5		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature



Last Certification Date

4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3 of 4

DATE: 5/5/04

OBSERVER: Ben Kroeger

START: 8:55 am pm

FINISH: 11:26 am pm

Source: C Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 90'

wind direction NNW

wind speed 10-15

sky condition clear

amb. temp. (F) 50-55

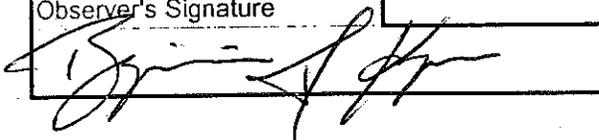
color of emissions brown  
unless stated otherwise

other;

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	5	5	5	5		32	0	0	0	0	
3	5	5	5	5		33	0	0	0	0	
4	5	5	5	5		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	5	5	5	5	
22	0	0	0	0		52	0	0	5	5	
23	0	0	0	0		53	5	5	5	5	
24	0	0	0	0		54	5	5	5	5	
25	0	0	0	0		55	5	5	5	5	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature



Last Certification Date

4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 4 of 4

DATE: 5/5/04

OBSERVER: Ben Kruger

START: 8:55am pm

FINISH: 11:26am pm

Source: C Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 90'

wind direction NNW

wind speed 10-15

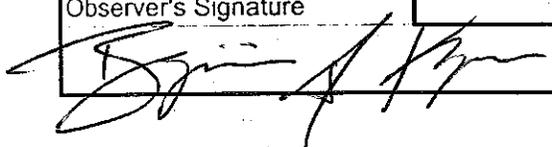
sky condition clear

amb. temp. (F) 55-60

color of emissions brown  
unless stated otherwise

other;

Remarks;

Observer's Signature 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5		30					
1	0	0	0	0		31					
2	5	5	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	5	5	10	5		50					
21	5	5	5	5		51					
22	5	5	5	5		52					
23	5	10	10	10		53					
24	15	20	15	10		54					
25	5	5	0	0		55					
26	0	0	0	0		56					
27	-	-	-	-		57					
28						58					
29						59					

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-27-04

OBSERVER: RS

START: 12:10 am pm

FINISH: am pm

Source: C Blast

Observation Point  
South East in parking lot

distance from: 400'

direction from: SE

source height: 90'

wind direction SE

wind speed 3-5

sky condition Broken

amb. temp. (F) 39

color of emissions  
Brown

other:

Remarks:

Observer's Signature 

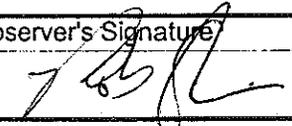
12:00

p. 1 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	10		46	0	0	0	0	
17	10	10	15	20		47	0	0	0	0	
18	30	20	20	15	E	48	0	0	0	0	
19	10	0	0	10		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	W
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-27-04  
 OBSERVER: KS  
 START: 12/0 am pm  
 FINISH: am pm  
 Source: C-Blast  
 Observation Point  
 South east  
 in parking lot  
 distance from: 400'  
 direction from: SE  
 source height: 90'  
 wind direction: ~~SE~~ SE  
 wind speed: 3-5  
 sky condition: Broken  
 amb. temp. (F): 39  
 color of emissions:  
 Brown  
 other:  
 Remarks:  
 Observer's Signature: 

1:00 pm

P2 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	10	5	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0	E	36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	20	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	10	10	15	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	10	10	
13	0	0	0	0		43	15	10	11	0	
14	0	0	0	0		44	10	10	0	0	
15	0	0	0	0		45	0	0	0	10	
16	0	0	0	0		46	10	0	10	10	
17	0	0	0	0		47	10	10	0	0	
18	0	0	0	0		48	0	10	10	0	
19	0	0	0	0		49	10	10	10	0	W
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	10	E
23	0	0	0	0		53	10	10	0	0	
24	0	0	0	0		54	15	20	20	5	
25	0	0	0	0		55	5	5	0	0	
26	5	10	10	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-27-04

OBSERVER: KS

START: 12:10 am pm

FINISH: am pm

Source: C - Blast

Observation Point  
South-east  
Parking Lot

distance from: 400'

direction from: SE

source height: 90'

wind direction SE

wind speed 3-5

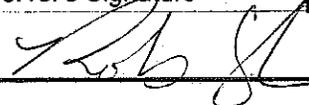
sky condition broken

amb. temp. (F) 29

color of emissions  
Brown, white

other;

Remarks;

Observer's Signature  


2:00 PM

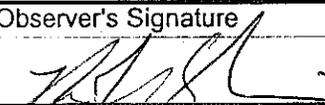
P.3 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	10	10	10		30					
1	10	10	10	10		31					
2	10	10	10	10		32					
3	10	10	10	10		33					
4	0	0	0	0		34					
5	0	0	5	5		35					
6	5	5	5	5		36					
7	5	5	5	5		37					
8	5	5	5	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	5	5	0	0		42					
13	0	0	0	0		43					
14	0	0	10	10		44					
15	10	10	10	10		45					
16	10	10	10	20		46					
17	20	20	5	5		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-23-04  
 OBSERVER: RS  
 START: am 3:25 pm  
 FINISH: am 5:00 pm  
 Source: C-Blast  
 Observation Point  
 across channel  
 distance from: 600'  
 direction from: W  
 source height: 90  
 wind direction W  
 wind speed 0-3  
 sky condition clear  
 amb. temp. (F) 66  
 color of emissions  
 Brown  
 other:  
 Remarks:

Observer's Signature  


3:00 PM

P 1 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-23-04

OBSERVER: RS

START: am 3:25 pm

FINISH: am 5:01 pm

Source: c - Blast

Observation Point  
across channel

distance from: 600'

direction from: W

source height: 90

wind direction W

wind speed N-3

sky condition c/cr

amb. temp. (F) 66

color of emissions  
brown

other:

Remarks:

Observer's Signature 

4:00 PM

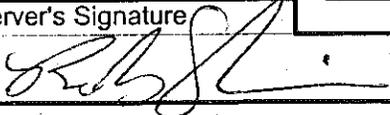
P. 2 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	10	10	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	10	10	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	10	5	
20	0	0	0	0		50	0	0	0	0	
21	0	10	15	15		51	0	0	0	0	
22	10	10	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	10	10	10	
24	0	0	0	0		54	5	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	6	0	0	0	
29	0	0	0	0		59	10	0	0	0	

Last Certification Date

4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-23-04  
 OBSERVER: RS  
 START: am 3:25 pm  
 FINISH: am 5:01 pm  
 Source: c Blast  
 across channel  
 Observation Point  
 across channel  
 distance from: 600'  
 direction from: W  
 source height: 90'  
 wind direction W  
 wind speed 6-3 mph  
 sky condition clear  
 amb. temp. (F) 66  
 color of emissions  
 Brown  
 other:  
 Remarks:  
 Observer's Signature  


5:00 pm

P. 3 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0			31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/13/04  
 OBSERVER: Ben Kroeger  
 START: 10:05 am pm  
 FINISH: am 12:11 pm  
 Source: C Blast  
 Furnace  
 Observation Point parking  
 lot off Miller  
 Road  
 distance from: 500'  
 direction from: NE  
 source height: 90'  
 wind direction NE  
 wind speed 10-15  
 sky condition overcast  
 amb. temp. (F) 35-40  
 color of emissions brown  
 Unless stated otherwise  
 other:  
 E - east car  
 W - west car  
 Remarks;  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4	-	-	-	-		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	10	10		47	0	0	0	0	
18	0	0	0	10		48	0	0	0	0	
19	100	80	50	25	E	49	0	0	0	0	
20	10	5	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	W
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	5	5	5	E
25	0	0	0	0		55	5	0	0	0	
26	0	5	5	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

*Ben Kroeger*

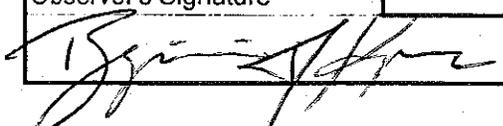
Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/13/04  
 OBSERVER: Ben Krueger  
 START: 10:05 am pm  
 FINISH: am/2:11 pm  
 Source: C Blast  
 Furnace  
 Observation Point parking  
 lot off Miller  
 Road  
 distance from: 500'  
 direction from: NE  
 source height: 90'  
 wind direction NE  
 wind speed 10-15  
 sky condition overcast  
 amb. temp. (F) 35-40  
 color of emissions brown  
 unless stated otherwise  
 other:  
 E - east car  
 W - west car  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	5	5	5	5	W
1	0	0	0	0		31	5	5	5	5	
2	0	0	0	0		32	5	5	5	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	10	15	15	E
5	0	0	0	0		35	15	20	15	15	
6	0	0	0	0		36	10	10	15	20	
7	0	0	0	0		37	20	15	10	5	
8	0	0	0	0		38	5	5	5	10	
9	0	0	0	0		39	10	5	5	5	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	5	
17	0	10	0	0	E	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	5	
22	0	0	0	0		52	0	5	5	5	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	5	5	5	0		57	0	0	0	0	
28	0	0	0	10		58	0	0	0	0	
29	5	5	5	10		59	0	0	0	0	

Observer's Signature  


Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3

DATE: 4/13/04

OBSERVER: Ben Kroeger

START: 10:05 am pm

FINISH: am 12:11 pm

Source: C Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: NE

source height: 90'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other;  
E - east car  
W - west car

Remarks;

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	10	5	5	0	W	36					
7	0	0	10	20		37					
8	15	25	25	25		38					
9	20	20	15	20		39					
10	15	10	5	5		40					
11	-	-	-	-		41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/8/04

OBSERVER: Ben Kroeger

START: 9:10 am pm

FINISH: 10:58 am pm

Source: C Blast Furnace

Observation Point parking lot off Miller Road

distance from: 500'

direction from: E

source height: 90'

wind direction S

wind speed 10-15

sky condition partly cloudy

amb. temp. (F) 40-45

color of emissions brown unless stated otherwise

other:  
E - east car  
W - west car

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9	-	-	-	-		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	5	5	10	20		44	0	0	0	0	
15	15	15	15	15		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0	E	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	5	5	5	0	
24	0	0	0	0		54	5	5	5	0	W
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	E
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature



Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/8/04

OBSERVER: Ben Kroeger

START: 9:10 am pm

FINISH: 10:58 am pm

Source: C Blast  
Furnace

Observation Point parking  
lot off Miller  
Road

distance from: 500'

direction from: E

source height: 90'

wind direction S

wind speed 10-15

sky condition partly cloudy

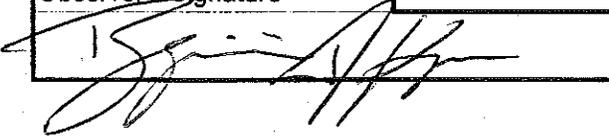
amb. temp. (F) 40-45

color of emissions brown  
unless otherwise stated

other:  
E - east car  
W - west car

Remarks:

Observer's Signature



MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	0	0		30	5	5	5	5	E
1	0	0	0	0		31	0	0	5	5	
2	0	0	0	0		32	5	5	5	5	
3	0	0	0	0		33	0	0	5	5	
4	0	0	5	5		34	5	5	5	5	
5	5	5	5	5		35	5	5	5	5	
6	0	0	0	0		36	5	5	5	5	
7	0	0	0	0		37	5	5	5	5	
8	0	0	0	0		38	5	5	5	5	
9	5	0	5	5		39	5	5	5	5	
10	5	5	5	5		40	5	5	10	5	
11	5	5	5	5		41	10	10	5	5	
12	0	0	0	0		42	5	10	5	5	
13	0	0	0	0		43	5	5	5	5	
14	0	0	0	0		44	5	5	5	5	
15	0	0	0	0		45	5	5	5	5	
16	0	0	0	0		46	5	5	5	5	
17	0	0	0	0		47	0	0	5	5	W
18	0	5	5	5		48	5	5	5	5	
19	5	5	5	0		49	5	5	5	5	
20	5	5	5	5		50	5	5	5	5	
21	5	5	5	5		51	10	10	10	10	W
22	0	0	5	5		52	10	15	20	10	
23	5	5	5	5		53	5	5	0	5	
24	5	5	5	5	W	54	0	0	0	0	
25	5	5	5	5		55	0	0	0	0	
26	5	5	5	5		56	0	0	0	0	
27	5	5	5	5		57	0	0	0	0	
28	5	5	5	5		58	1	1	1	1	
29	5	5	5	5		59					

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/2/04

OBSERVER: Ben Kroeger

START: am 12:20 pm

FINISH: am 14:36 pm

Source: C Blast  
Furnace

Observation Point parking  
lot across canal

distance from: 600'

direction from: W

source height: 90'

wind direction NE

wind speed 10-15

sky condition overcast

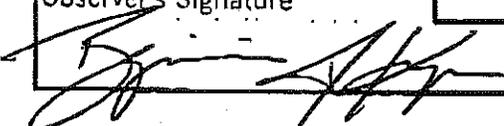
amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other:

Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	5	0	5	
1						31	5	5	5	5	
2						32	5	5	5	5	
3						33	5	5	5	0	
4						34	0	0	0	0	
5						35	0	5	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	5	5	5	
9						39	5	5	0	5	
10						40	0	5	5	5	
11						41	5	5	5	5	
12						42	5	5	5	5	
13						43	5	5	5	5	
14						44	5	5	5	5	
15						45	5	10	10	10	
16						46	10	10	10	10	
17						47	5	5	5	5	
18						48	10	5	10	5	
19	-	-	-	-		49	10	10	10	10	
20	0	0	0	0		50	10	10	15	10	
21	0	0	0	0		51	10	10	5	5	
22	0	0	0	0		52	10	10	10	10	
23	0	0	0	0		53	5	5	5	5	
24	0	0	0	5		54	5	0	5	10	
25	10	10	15	15		55	5	10	10	5	
26	10	35	30	10		56	5	10	10	10	
27	5	15	20	20		57	10	5	10	5	
28	10	5	5	5		58	5	5	5	5	
29	0	0	0	0		59	10	10	10	10	

Observer's Signature 

Last Certification Date 10/8/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/2/04

OBSERVER: Ben Kroeyer

START: am 12:20 pm

FINISH: am 14:36 pm

Source: C Blast  
Furnace

Observation Point parking  
lot across canal

distance from: 600'

direction from: W

source height: 90'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other;

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARK
0	10	10	15	15		30	10	5	5	5	
1	10	10	10	10		31	5	5	5	5	
2	10	10	10	10		32	5	10	10	5	
3	5	10	10	10		33	5	5	5	10	
4	5	5	5	10		34	10	10	10	10	
5	10	5	5	5		35	5	0	5	5	
6	5	15	15	10		36	0	0	0	0	
7	5	5	5	5		37	0	0	0	0	
8	5	5	5	0		38	0	0	0	0	
9	0	5	5	5		39	5	0	0	0	
10	0	0	10	5		40	0	0	0	5	
11	5	5	0	0		41	5	5	5	10	
12	0	0	0	5		42	5	10	10	5	
13	5	5	5	0		43	5	5	0	0	
14	5	5	5	5		44	0	10	5	5	
15	5	5	5	5		45	5	5	10	10	
16	0	5	5	5		46	10	10	15	10	
17	5	5	5	0		47	5	5	10	20	
18	0	5	5	0		48	20	15	10	5	
19	0	5	5	5		49	5	5	5	5	
20	0	5	0	0		50	0	0	0	0	
21	0	5	5	5		51	0	0	5	5	
22	10	0	5	5		52	5	5	5	5	
23	5	5	10	10		53	5	10	10	10	
24	10	5	5	5		54	15	20	20	15	
25	5	5	5	5		55	15	15	15	20	
26	5	10	10	5		56	25	30	10	10	
27	5	5	5	5		57	15	10	10	15	
28	10	5	5	5		58	10	10	10	10	
29	10	10	10	10		59	15	20	10	5	

Observer's Signature

*Ben Kroeyer*

Last Certification Date

10/8/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3

DATE: 4/2/04

OBSERVER: Ben Kroeger

START: am 12:20 pm

FINISH: am 14:36 pm

Source: C Blast  
Furnace

Observation Point parking  
lot across canal

distance from: 600'

direction from: W

source height: 90'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

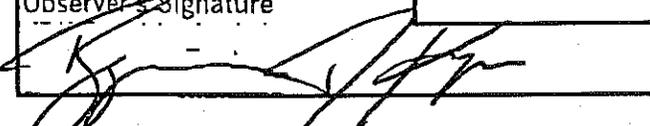
color of emissions brown  
unless stated otherwise

other;

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARK
0	0	0	0	0		30	10	5	5	5	
1	5	5	5	5		31	5	5	5	0	
2	5	0	0	0		32	5	10	10	10	
3	5	5	5	5		33	0	0	0	0	
4	5	5	5	10		34	0	0	0	0	
5	10	10	15	20		35	0	0	0	0	
6	25	20	25	25		36	-	-	-	-	
7	30	25	30	35		37					
8	35	30	35	20		38					
9	10	10	10	10		39					
10	5	5	5	5		40					
11	10	10	10	10		41					
12	5	5	10	5		42					
13	5	5	5	10		43					
14	5	5	5	10		44					
15	5	5	5	5		45					
16	5	5	5	5		46					
17	5	5	10	10		47					
18	5	5	5	5		48					
19	0	5	5	5		49					
20	5	5	5	5		50					
21	5	5	5	5		51					
22	5	5	5	5		52					
23	5	5	5	5		53					
24	5	5	5	5		54					
25	5	5	5	5		55					
26	5	5	5	5		56					
27	10	10	10	10		57					
28	15	15	20	10		58					
29	10	10	10	10		59					

Observer's Signature



Last Certification Date 10/8/03

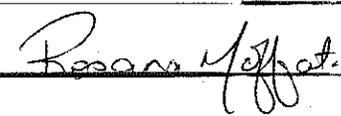
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/30/04  
 OBSERVER: ROSANA MOFFAT  
 START: 8:00 am pm  
 FINISH: 10:00 am pm  
 Source:  
 BOF ROOF MONITORS  
 Observation Point  
 SOUTH OF LEVY  
 distance from: 800'  
 direction from: SE  
 source height:  
 250'  
 wind direction W  
 wind speed 0-5  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 N - NORTH MONITOR  
 S - SOUTH MONITOR  
 C - CENTER MONITOR  
 Remarks;  
 Heat Nos.  
 19316  
 19317

8:00 AM

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	5	5	5	C, Brown	44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/30/04  
 OBSERVER: ROSANA MOFFAT  
 START: 8:00 am ~~8~~ pm  
 FINISH: 10:00 am pm  
 Source:  
 BOF ROOF MONITORS  
 Observation Point  
 SOUTH OF LEVY  
 distance from: 800'  
 direction from: SE  
 source height:  
 250'  
 wind direction W  
 wind speed 0-5  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 N - NORTH MONITOR  
 S - SOUTH MONITOR  
 C - CENTER MONITOR  
 Remarks;  
 Observer's Signature

9:00 AM PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	20	Orange C	30	0	0	0	0	
1	15	10	10	10	" "	31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

*Rosana Moffat*

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/23/04  
 OBSERVER: ROSANA MOFFAT  
 START: am 1:00 pm  
 FINISH: am 3:00 pm  
 Source: BOF ROOF MONITORS  
 Observation Point: BY HOT STRIP MILL  
 distance from: 1000'  
 direction from: NW  
 source height: 250'  
 wind direction: W  
 wind speed: 0-5  
 sky condition: CLEAR  
 amb. temp. (F):  
 color of emissions: white  
 unless stated otherwise?  
 other:  
 N - NORTH MONITOR  
 S - SOUTH MONITOR  
 C - CENTER MONITOR  
 Remarks:  
 Heat Nos.  
 58276  
 58277  
 Observer's Signature: *Rosana Moffat*

1:00PM Page #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30	○	○	○	○	
1	○	○	○	○		31	○	○	○	○	
2	○	○	○	○		32	○	○	○	○	
3	○	○	○	○		33	○	○	○	○	
4	○	○	○	○		34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	○	○	○	○	
23	○	○	○	○		53	○	○	○	○	
24	○	○	○	○		54	○	○	○	○	
25	○	○	○	○		55	5	10	10	10	Brown, N
26	○	○	○	○		56	5	0	0	0	
27	○	○	○	○		57	○	○	○	○	
28	○	○	○	○		58	○	○	○	○	
29	○	○	○	○		59	20	15	15	15	C, Brown, N

Last Certification Date 5/10/04

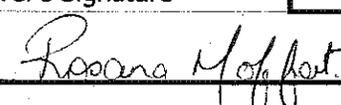
**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 6/23/04  
 OBSERVER: ROSANA MOFFAT  
 START: am 1:00 pm  
 FINISH: am 3:00 pm  
 Source: BOF ROOF MONITORS  
 Observation Point: BY HOT STRIP MILL  
 distance from: 1000'  
 direction from: NW  
 source height: 250'  
 wind direction: W  
 wind speed: 0-5  
 sky condition: CLEAR  
 amb. temp. (F):  
 color of emissions: white  
 unless stated otherwise  
 other:  
 N - NORTH MONITOR  
 S - SOUTH MONITOR  
 C - CENTER MONITOR  
 Remarks;

2:00PM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	10	10	0	BROWN CM	30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	10	10	10	10	C	55	0	0	0	0	
26	10	0	0	0	C	56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


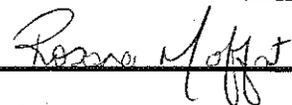
Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/15/04  
 OBSERVER: ROSANA MORFAT  
 START: 7:00 am pm  
 FINISH: 9:00 am pm  
 Source:  
 BOF ROOF MONITORS  
 Observation Point  
 SOUTH OF LEVY  
 distance from: 500'  
 direction from: SE  
 source height:  
 250'  
 wind direction E  
 wind speed 5-10  
 sky condition CLOUDY  
 amb. temp. (F)  
 color of emissions white  
 unless stated otherwise  
 other;  
 N - NORTH  
 S - SOUTH  
 C - CENTER  
 Remarks;  
 Heat Nos.  
 19060  
 19061

7:00am PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	5	5	C	35	0	0	0	0	
6	5	5	5	5	C	36	0	0	0	0	
7	5	5	5	5	C	37	0	0	0	0	
8	5	5	5	5	C	38	0	0	0	0	
9	10	10	5	5		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	10	10	15	C yellow	52	0	0	0	0	
23	20	20	20	15	C yellow	53	0	0	0	0	
24	10	5	5	5	C "	54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

# SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/15/04

OBSERVER: ROSANA MORFAT

START: 7:00am pm

FINISH: 9:00 am pm

Source:  
BOF ROOF MONITORS

Observation Point  
SOUTH OF LEVY

distance from: 800'

direction from: SE

source height:  
250'

wind direction E

wind speed 5-10

sky condition CLOUDY

amb. temp. (F)

color of emissions white

unless stated otherwise

other;

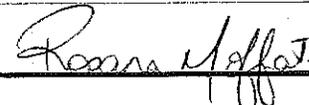
N - NORTH MONITOR  
S - SOUTH MONITOR  
C - CENTER MONITOR

Remarks;

8:00 AM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	5	5	C
7	0	0	0	0		37	10	15	15	15	C
8	0	0	0	0		38	0	0	0	5	C
9	0	0	0	0		39	5	5	5	5	Orange, C
10	0	0	0	0		40	5	5	5	5	Orange, C
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	10	10	10	C, Orange
14	0	0	0	0		44	5	5	5	5	C, Orange
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	5	10	Yellow, C
17	0	0	0	0		47	10	15	15	15	C
18	0	0	0	0		48	10	10	5	0	C
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	10	10	10	10	C
23	0	0	0	0		53	5	5	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	45	ORANGE	57	0	0	0	0	
28	45	25	15	5	" C	58	0	0	0	0	
29	5	5	5	5		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/12/04

OBSERVER: ROSANA MOTTAT

START: 8:00 am pm

FINISH: 10:00 am pm

Source:  
BoF ROOF MONITORS

Observation Point  
SOUTH OF LEVY

distance from: 800'

direction from: SE

source height:  
250'

wind direction E

wind speed 5-10

sky condition OVERCAST

amb. temp. (F)

color of emissions White  
unless stated otherwise

other;

N - NORTH MONITOR  
S - SOUTH MONITOR  
C - CENTER MONITOR

Remarks;  
Heat Nos,  
19014  
19015

Observer's Signature  
Rosana Mottat

8:00 am.

PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	5	5	5	5	C	38	0	0	0	0	
9	5	5	5	5	C	39	0	0	0	5	C, Brown
10	5	5	10	10	C	40	5	5	5	5	C, Brown
11	10	0	0	0	C	41	5	10	10	10	"
12	0	0	0	0		42	10	5	5	0	"
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 5/10/04

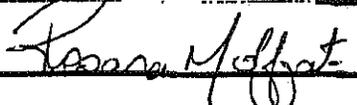
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6/12/04  
 OBSERVER: Rosanna Moffat  
 START: 8:00 am pm  
 FINISH: 10:00 am pm  
 Source: BOF Roof Monitors  
 Observation Point: South of Levy  
 distance from: 800'  
 direction from: SE  
 source height: 250'  
 wind direction: E  
 wind speed: 5-10  
 sky condition: OVERCAST  
 amb. temp. (F):  
 color of emissions: White  
 unless stated otherwise  
 other:  
 N - NORTH MONITOR  
 S - SOUTH MONITOR  
 C - CENTER MONITOR  
 Remarks:

PAGE #2

9:00 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	5	5	Brown C	35	0	0	0	0	
6	5	5	5	5	"	36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 31 2004

OBSERVER: Rosanna Maffei

START: 8:00 am pm

FINISH: 10:00 am pm

Source:  
BoF ROOF MONITORS

Observation Point  
SOUTH OF LEVY

distance from: 800'

direction from: SE

source height:  
250'

wind direction SW

wind speed 5-10

sky condition OVERCAST

amb. temp. (F) 61

color of emissions White  
unless stated otherwise

other;  
N - North Monitor  
S - South Monitor  
C - Center Monitor

Remarks;  
Heat Nos.  
18846  
57899  
57900

8:00 AM

Page # 1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	5	5	<u>C, White</u>	47	0	0	0	0	
18	5	5	5	0	<u>C, "</u>	48	0	5	10	10	<u>C, Brown</u>
19	0	0	0	0		49	10	10	10	10	<u>C, "</u>
20	0	0	0	0		50	5	5	0	0	<u>C, "</u>
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  
Rosanna Maffei

Last Certification Date 5/10/04

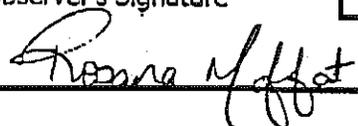
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 31, 2004  
 OBSERVER: Rosana Moffat  
 START: 8:00 am pm  
 FINISH: 10:00 am pm  
 Source:  
BOF ROOF MONITORS  
 Observation Point  
SOUTH OF LEVY  
 distance from: ≤ 800'  
 direction from: SE  
 source height:  
~ 250'  
 wind direction SW  
 wind speed 5-10  
 sky condition OVERCAST  
 amb. temp. (F) 61  
 color of emissions White  
 unless stated otherwise  
 other:  
 N - North Monitor  
 S - South Monitor  
 C - Center Monitor  
 Remarks;

9:00 AM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	5	10	C	30	0	0	0	0	
1	20	15	15	15	C	31	0	0	0	0	
2	10	10	5	0	C	32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	5	5	5	5	C	35	0	0	0	0	
6	5	5	5	5	C	36	0	0	0		
7	5	5	5	5	C	37	5	5	10	10	BROWN C
8	5	5	5	0	C	38	10	5	0	0	" "
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	10	10	BROWN C	42	0	0	0	0	
13	5	5	5	5	" "	43	0	0	0	0	
14	5	5	5	5	BROWN, C, N	44	0	0	0	0	
15	5	0	0	0	" "	45	0	0	5	5	C
16	0	0	0	0		46	5	5	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	5	C	49	0	0	0	0	
20	20	100	40	5	C	50	0	0	0	0	
21	5	10	10	5	C	51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

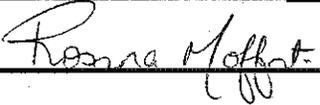
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: May 28, 2004  
 OBSERVER: Rosanna Moffat  
 START: 9:00 am pm  
 FINISH: 11:00 am pm  
 Source:  
BoF ROOF MONITORS  
 Observation Point  
SOUTH OF LEVY  
 distance from: ≈ 800'  
 direction from: SE  
 source height:  
≈ 250'  
 wind direction NE  
 wind speed 5-10  
 sky condition OVERCAST  
 amb. temp. (F) 54  
 color of emissions white  
 (unless stated otherwise)  
 other:  
N - NORTH MONITOR  
C - CENTER MONITOR  
S - SOUTH MONITOR  
 Remarks;  
Heat Nos.  
18797  
57844

PAGE #1

9:00

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30	○	○	○	○	
1	○	○	○	○		31	○	○	○	○	
2	○	○	○	○		32	○	○	○	○	
3	○	○	○	○		33	○	○	○	○	
4	○	○	○	○		34	○	○	○	○	
5	○	○	○	○		35	○	○	○	○	
6	○	○	○	○		36	○	○	○	○	
7	○	○	○	○		37	○	○	○	○	
8	○	○	○	○		38	○	○	○	○	
9	○	○	○	○		39	○	○	○	○	
10	○	○	○	○		40	○	○	○	○	
11	○	○	○	○		41	○	○	○	○	
12	○	○	○	○		42	○	○	○	○	
13	○	○	○	○		43	○	○	○	○	
14	○	○	○	○		44	○	○	○	○	
15	○	○	○	○		45	○	○	○	○	
16	○	○	○	○		46	○	○	○	○	
17	○	○	○	○		47	○	○	○	○	
18	○	○	○	○		48	○	○	○	○	
19	○	○	○	○		49	○	○	○	○	
20	○	○	○	○		50	○	○	○	○	
21	○	○	○	○		51	○	○	○	○	
22	○	○	○	○		52	5	5	5	5	C
23	○	○	○	○		53	5	0	0	0	C
24	○	○	○	○		54	0	0	0	0	C
25	○	○	○	○		55	5	5	0	0	C, Brown
26	○	○	○	○		56	0	0	0	0	
27	○	○	○	○		57	0	0	0	0	
28	○	○	○	○		58	5	0	0	0	
29	○	○	○	○		59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/10/04

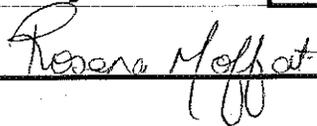
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 28, 2004  
 OBSERVER: ROSANA MORFAT  
 START: 9:00 am pm  
 FINISH: 11:00 am pm  
 Source:  
BOF ROOF MONITORS  
 Observation Point  
SOUTH OF LEVY  
 distance from: ≈ 800'  
 direction from: SE  
 source height:  
≈ 250'  
 wind direction NE  
 wind speed 5-10  
 sky condition OVERCAST  
 amb. temp. (F) 63  
 color of emissions white  
 unless stated otherwise  
 other;  
N - North Monitor  
C - Center Monitor  
S - South Monitor  
 Remarks;

PAGE #2

10:00 AM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	10	10	10	Red, C
10	0	0	0	0		40	15	5	0	0	"
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	5	3	0	0	C	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	5	10	20	30	C
21	0	0	0	0		51	20	20	15	10	C
22	15	15	15	10	C	52	0	0	0	0	
23	10	10	10	10	C	53	0	0	0	0	
24	5	15	20	20	Brown, C	54	0	0	0	0	
25	20	20	10	10		55	0	0	0	0	
26	10	10	15	15	Red, C	56	0	0	0	0	
27	10	10	10	10		57	0	0	0	0	
28	20	20	15	15	Red, C	58	0	0	0	0	
29	15	15	15	15	C	59	0	0	0	0	

Observer's Signature  


Last Certification Date 5/14/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 1 of 2

DATE: 5/20/04

OBSERVER: Ben Kroeger

START: 10:00 am pm

FINISH: am 12:00 pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot at south end  
across canal

distance from: 700'

direction from: SE

source height: 250'

wind direction SW

wind speed 10-15

sky condition overcast

amb. temp. (F) 65-70

color of emissions brown  
unless stated otherwise

other:

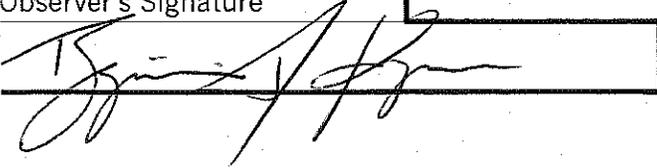
N - north monitor  
M - middle  
S - south

Remarks:

Heat Nos.  
18668  
57724

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	5	5	5	5	M	30	10	5	5	5	N, brown
1	5	5	5	5	M, N	31	0	10	10	5	M
2	5	5	5	10	N	32	5	5	5	5	M
3	5	5	5	5	N	33	5	5	5	5	M
4	0	0	0	0		34	5	0	5	5	M
5	5	5	5	5	M	35	0	0	0	0	
6	0	0	0	0		36	5	5	5	5	M
7	0	0	0	0		37	5	5	5	5	M
8	0	0	0	0		38	5	5	5	10	M
9	0	0	0	0		39	5	5	5	5	M
10	0	0	0	0		40	5	5	10	10	M
11	0	5	5	5	N, M	41	10	10	5	5	M
12	5	5	5	5	N, M	42	5	5	5	5	M
13	10	10	10	5	N	43	5	5	5	5	M
14	5	5	10	5	N	44	5	5	5	0	M
15	5	0	5	5	N	45	0	0	5	5	M
16	5	5	5	5	N	46	0	0	0	5	N
17	0	0	0	0		47	0	0	0	5	N
18	0	0	5	5	N, M	48	5	5	5	0	N
19	5	10	5	5	N	49	0	0	0	0	
20	5	5	10	20	M, white	50	0	0	0	0	
21	35	50	35	20	M, white	51	0	0	0	0	
22	10	5	5	5	M, white	52	0	0	0	0	
23	5	5	5	5	M	53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	5	5	5	5	M, white	56	0	0	0	0	
27	5	5	5	5	N, brown	57	0	0	10	10	M, white
28	25	30	25	10	M	58	15	15	100	95	M, white
29	5	5	10	10	N, brown M	59	90	60	35	20	M, white

Observer's Signature



Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2 of 2

DATE: 5/20/04

OBSERVER: Ben Kroeger

START: 10:00 am pm

FINISH: am 12:00pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot at south end  
across canal

distance from: 700'

direction from: SE

source height: 250'

wind direction SW

wind speed 10-15

sky condition overcast

amb. temp. (F) 65-70

color of emissions brown

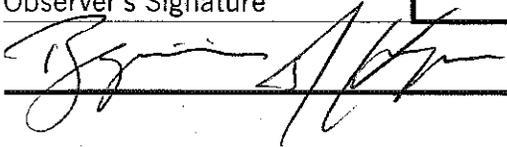
unless stated otherwise

other;

N - north monitor  
M - middle  
S - south

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	5	0	0	M, white	30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	5	M, white
3	0	5	5	5	M	33	5	15	25	25	M, white
4	0	0	5	20	M, white	34	15	10	10	5	M, white
5	50	65	50	50	M, white	35	10	10	25	25	M
6	40	35	15	15	M, white	36	25	20	10	5	M
7	10	5	5	5	M, white	37	5	5	5	10	M, white
8	5	5	5	0	M, white	38	10	5	5	5	M, white
9	0	0	0	0		39	5	5	5	10	M, white
10	0	5	5	5	M, white	40	5	5	5	5	M, white
11	0	0	0	0		41	5	5	5	5	M, white
12	5	0	0	0	M	42	5	5	5	10	M, white
13	0	0	0	0		43	5	5	5	5	M, white
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	5	5	M
16	0	0	0	0		46	5	5	10	15	M
17	0	0	0	0		47	10	5	5	0	M
18	0	0	0	0		48	5	5	0	0	M
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	5	M	52	0	0	0	0	
23	5	5	5	0	M	53	0	0	0	0	
24	5	5	5	5	M	54	0	0	0	0	
25	5	25	45	50	M, white	55	0	0	0	0	
26	55	45	25	10	M, white	56	0	0	0	0	
27	5	5	5	0	M, white	57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Observer's Signature 

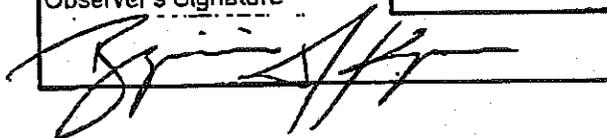
Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1 of 2

DATE: 5/10/04  
 OBSERVER: Ben Krueger  
 START: 10:00am pm  
 FINISH: am 12:00 pm  
 Source: BOF Roof  
 Monitors  
 Observation Point gravel lot at south end across canal  
 distance from: 700'  
 direction from: SE  
 source height: 250'  
 wind direction SSW  
 wind speed 10-15  
 sky condition partly cloudy  
 amb. temp. (F) 60-70  
 color of emissions brown unless stated otherwise  
 other:  
 N - north monitor  
 M - middle  
 S - south  
 Remarks:  
 Heat Nos.  
 57578  
 18505

Observer's Signature



Last Certification Date 4/7/04

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	5	M	31	0	0	0	0	
2	5	0	0	0	M	32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	5	5	0	M	34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	5	5	5	0	M
7	0	0	0	0		37	0	0	0	0	
8	0	0	5	5	M, white	38	0	0	0	0	
9	0	0	0	5	M, white	39	0	0	0	0	
10	5	5	5	5	M, white	40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	5	M
15	0	0	0	0		45	5	0	0	0	M
16	0	0	0	0		46	0	0	0	0	
17	0	5	5	5	M	47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	5	5	5	M
20	0	0	0	0		50	0	0	5	5	M
21	0	0	0	0		51	5	5	5	5	M
22	0	0	0	0		52	5	5	5	0	M
23	5	5	5	5	M	53	0	0	5	5	M
24	5	0	0	0	M	54	5	5	0	0	M
25	0	0	0	0		55	0	0	5	5	M
26	0	0	0	0		56	5	5	0	0	M
27	0	0	0	0		57	5	0	0	0	M
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

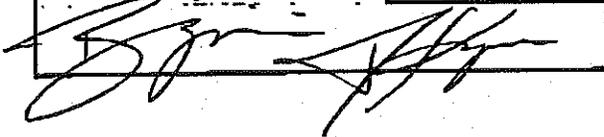
SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page 2 of 2

DATE: 5/10/04  
 OBSERVER: Ben Krayer  
 START: 10:00 am pm  
 FINISH: am 12:00 pm  
 Source: BOF Roof Monitors  
 Observation Point gravel lot at south end across canal  
 distance from: 700'  
 direction from: SE  
 source height: 250'  
 wind direction SSW  
 wind speed 10-15  
 sky condition partly cloudy  
 amb. temp. (F) 75  
 color of emissions brown unless otherwise stated  
 other:  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	.15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	10	10	10	10	M, white
6	0	0	0	0		36	5	5	0	0	M, yellow
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	5	M	45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	5	5	5	5	M	48	0	0	0	0	
19	5	5	5	0	M	49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	5	M
27	0	0	0	0		57	10	20	20	15	M
28	0	0	0	0		58	15	5	5	5	M
29	0	0	0	0		59	5	5	5	0	M

Observer's Signature



Last Certification Date

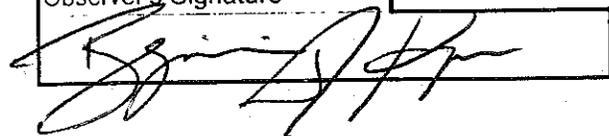
4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 1 of 3

DATE: 5/5/04  
 OBSERVER: Ben Krueger  
 START: 11:35 am pm  
 FINISH: am 1:35 pm  
 Source: BOF Roof Monitors  
 Observation Point gravel lot across canal at south end  
 distance from: 700'  
 direction from: SE  
 source height: 250'  
 wind direction NNW  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 55-60  
 color of emissions brown unless stated otherwise  
 other:  
 N - north monitor  
 M - middle  
 S - south  
 Remarks:  
 Heat Nos  
 18418  
 18419  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34	-	-	-	-	
5						35	0	0	5	5	M, N
6						36	5	0	0	0	
7						37	0	0	0	5	N
8						38	5	5	5	5	N, M
9						39	5	5	5	5	N
10						40	5	5	5	5	N
11						41	5	10	10	10	N
12						42	5	5	5	5	N, M
13						43	10	10	10	10	N, M
14						44	15	20	20	15	M
15						45	15	10	5	5	M
16						46	0	0	0	0	
17						47	0	0	0	5	N
18						48	5	5	0	10	N, M
19						49	10	10	20	20	M
20						50	20	20	15	15	M
21						51	15	20	10	10	M
22						52	10	10	15	15	M
23						53	40	80	100	100	M, white
24						54	95	80	75	75	M, white
25						55	75	75	20	10	M, white
26						56	10	10	10	10	M, white
27						57	10	10	10	10	M, white
28						58	10	10	10	10	M, brown
29						59	10	10	10	5	M

Observer's Signature 

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2 of 3

DATE: 5/5/04

OBSERVER: Ben Kreyer

START: 11:35 am pm

FINISH: am 1:35 pm

Source: BOP Roof  
Monitors

Observation Point gravel  
lot across canal  
at south end

distance from: 700'

direction from: SE

source height: 250'

wind direction NNW

wind speed 10-15

sky condition clear

amb. temp. (F) 55-60

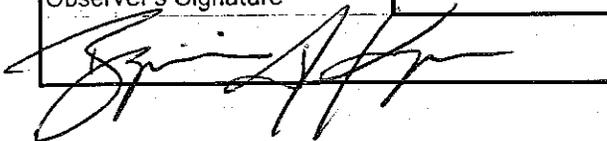
color of emissions brown  
unless stated otherwise

other;  
N - north monitor  
M - middle  
S - south

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	10	5	5	M	30	10	5	5	10	M, white
1	10	10	10	10	M	31	10	10	10	10	M, white
2	10	5	5	5	M	32	10	10	10	10	M, white
3	5	5	10	10	M, white	33	10	10	10	10	M, white
4	10	10	5	5	M, white	34	10	5	5	5	M, white
5	5	5	5	5	M, white	35	5	15	15	15	M, white
6	5	5	5	5	M, N	36	10	15	15	15	M, white
7	10	10	10	5	M, <del>green</del>	37	10	10	10	5	M
8	5	0	5	5	M, green	38	5	5	5	5	M, white
9	5	5	5	5	M, white	39	5	5	5	0	M, white
10	10	0	0	0	N	40	0	0	5	5	M, white
11	0	0	0	0		41	5	5	5	5	M, white
12	0	0	0	0		42	5	5	5	5	M, white
13	0	0	0	0		43	5	5	10	10	M, white
14	5	5	5	10	N	44	5	5	15	10	M, white
15	10	5	5	5	N	45	10	5	10	10	M
16	5	5	5	5	N, M	46	5	10	10	5	M, yellow
17	5	5	10	10	N, M	47	5	5	5	5	M
18	10	10	15	15	M, white	48	5	5	5	5	M
19	15	10	10	10	N, M, white	49	0	0	0	0	
20	10	5	5	5	M, white	50	5	5	5	5	M
21	0	0	0	0		51	5	10	10	10	M, N
22	5	5	5	5	N	52	10	10	10	10	M
23	0	0	0	0		53	10	10	10	5	M
24	0	0	0	5	M	54	5	5	5	5	M
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	5	10	M, white	57	0	0	0	0	
28	5	5	5	5	M, white	58	0	0	0	0	
29	5	5	0	10	M, white	59	0	0	0	0	

Observer's Signature



Last Certification Date

4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3 of 3

DATE: 5/5/04

OBSERVER: Ben Kroeger

START: 11:35 am pm

FINISH: am 1:35 pm

Source: BOF Roof Monitors

Observation Point gravel lot across canal at south end

distance from: 700'

direction from: SE

source height: 250'

wind direction NNW

wind speed 10-15

sky condition clear

amb. temp. (F) 60-65

color of emissions brown unless stated otherwise

other;

N - north monitor  
M - middle  
S - south

Remarks;

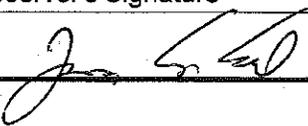
Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	15	15	10	5	M
1	0	0	0	0		31	5	5	10	10	M, white
2	0	0	0	5	M, white	32	10	5	5	5	M, white
3	5	5	5	5	M, white	33	5	5	5	5	M
4	10	10	15	15	M, white	34	5	5	5	5	M
5	15	15	5	5	M, white	35	-	-	-	-	
6	0	5	5	5	M	36	-	-	-	-	
7	0	20	45	95	M, yellow	37					
8	100	100	60	60	M, yellow	38					
9	50	30	15	15	M, yellow	39					
10	5	5	0	0	M	40					
11	0	0	0	0		41					
12	0	0	5	5	M, white	42					
13	5	0	5	5	M, white	43					
14	5	5	5	5	M, white	44					
15	5	0	0	0	M, white	45					
16	0	5	5	5	M, white	46					
17	5	5	5	5	M, white	47					
18	5	5	5	5	M, white	48					
19	5	5	0	0	M, white	49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	30	25	M, white	58					
29	25	15	20	20	M, white	59					

*Ben Kroeger*

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-30-04  
 OBSERVER: J. Earl  
 START: 11:43 am pm  
 FINISH: am pm  
 Source:  
 BOF Roof Motors  
 Observation Point  
 Near Gas holder  
 distance from: 1500'  
 direction from: SE  
 source height:  
 220'  
 wind direction WSW  
 wind speed 10-15  
 sky condition Cloudy  
 amb. temp. (F) 65'  
 color of emissions  
 Red, Gray  
 other;  
 Remarks;  
 Heat No.  
 18391  
 Observer's Signature  


MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13					11	43	○	○	○	○	
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

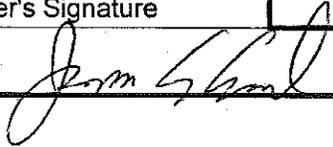
Last Certification Date April 2004

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-30-04  
 OBSERVER: J. Earl  
 START: 11:43 <sup>am</sup> pm  
 FINISH: am pm  
 Source: BOP Roof Monitor  
 Observation Point: Near Gas Holder  
 distance from: 1500'  
 direction from: SE  
 source height: 220'  
 wind direction: WSW  
 wind speed: 10-15  
 sky condition: cloudy  
 amb. temp. (F): 65  
 color of emissions: red, gray  
 other:  
 Remarks;

12:00

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	20	25	20	10		33					
4	5	5	5	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28						58					
29						59					

Observer's Signature  


Last Certification Date 4/2004

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-29-04

OBSERVER: RS

START: 2:50 am 2:50 pm

FINISH: 4:50 am 4:50 pm

Source: Roof Roof monitors

Observation Point  
Parking Lot NW of Roof

distance from:

direction from: NW

source height: 250'

wind direction

wind speed 0-3

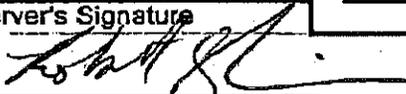
sky condition Broken

amb. temp. (F) 82

color of emissions  
Brown

other;

Remarks;  
Heat No.  
18385

Observer's Signature  


2:00 pm

p 1 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50	0	0	0	0	
21						51	0	0	0	0	
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	0	0	0	0	
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-29-04

OBSERVER: AS

START: ~~2:30~~ am 2:50 pm

FINISH: 9 am 4:50 pm

Source: BOP Roof Monitors

Observation Point  
Parking lot NW of BOP

distance from:

direction from: NW

source height: 250'

wind direction

wind speed 0-3

sky condition Broken

amb. temp. (F) 82

color of emissions  
Brown

other:

Remarks:

Observer's Signature  
*[Signature]*

3:00 PM

p 2 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	10	10	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-29-04

OBSERVER: RS

START: 2:50 am 2:50 pm

FINISH: am 4:50 pm

Source: BDF Loop  
monitors

Observation Point:  
Parking Lot NW  
at lot

distance from:

direction from: NW

source height: 250'

wind direction: SE

wind speed: 0-3

sky condition: Broken

amb. temp. (F): 52

color of emissions:  
Brown

other:

Remarks:

Observer's Signature: [Signature]

4:00 PM

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	10	10	10		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	15	15	10	10	m	42	0	0	0	0	
13	10	10	10	10		43	0	0	0	0	
14	10	10	10	10		44	0	0	0	0	
15	10	5	5	5		45	0	0	0	0	
16	5	5	5	5		46	0	0	0	0	
17	5	10	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4-19-04

OBSERVER: RS

START: 12:00 am 12:00 pm

FINISH: \_\_\_\_\_ am \_\_\_\_\_ pm

Source: BoF Roof  
Monitors

Observation Point \_\_\_\_\_

distance from: 750'

direction from: SE

source height: 250'

wind direction W

wind speed 3-5

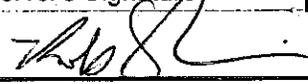
sky condition overcast

amb. temp. (F) 77

color of emissions  
white

other; \_\_\_\_\_

Remarks;  
Heat NDS.  
57 281  
18 250  
57282  
18251

Observer's Signature 

P. 1 of 3

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	10	0	10	10	C
1	0	0	0	0		31	10	0	0	0	C
2	0	0	0	0		32	10	10	10	10	C
3	0	0	0	0		33	10	0	0	0	C
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	15	15	10	10	C	37	10	10	0	0	S
8	10	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	20	15	15	C	58	0	0	0	0	
29	15	20	10	15	C	59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

P2 of 3

DATE: 4-17-04

OBSERVER: RS

START: am 1200 pm

FINISH: am 245 pm

Source: 130 F - Roof  
monitors

Observation Point

distance from: 750'

direction from: SE

source height: 250'

wind direction W

wind speed 3-5

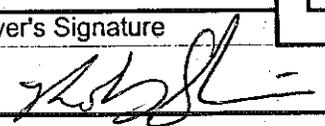
sky condition overcast

amb. temp. (F) 77

color of emissions white

other;

Remarks;

Observer's Signature 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	25	20	20	C
11	0	0	0	0		41	15	10	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	10	10	C
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

P. 3 of 3

DATE: 4-19-04  
 OBSERVER: RS  
 START: am 1200 pm  
 FINISH: am 245 pm  
 Source: Bof - Roof  
 monitors  
 Observation Point  
 distance from: 750'  
 direction from: SE  
 source height: 250'  
 wind direction: W  
 wind speed: 3-5  
 sky condition: overcast  
 amb. temp. (F): 77  
 color of emissions: white  
 other:  
 Remarks:  
 Observer's Signature: 

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0		
3	0	0	0	0		33	0	0	0	0	C
4	0	0	0	0		34	5	5	5	5	C
5	0	0	0	0		35	5	5	0	0	C
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	10	10	15	15	C	57					
28	10	10	10	0	C	58					
29	0	0	0	0		59					

Last Certification Date 4-6-04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/14/04

OBSERVER: Ben Kroeger

START: 9:33 am pm

FINISH: 11:33 am pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot at end of  
canal

distance from: 800'

direction from: SE

source height: 250'

wind direction NE

wind speed 10-15

sky condition clear

amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other:

N - north monitor  
M - middle  
S - south

Remarks:

Heat NOS.

18186  
18187

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32	-	-	-	-	
3						33	○	○	○	○	
4						34	○	○	○	○	
5						35	○	○	○	○	
6						36	○	○	○	○	
7						37	○	○	○	○	
8						38	○	○	○	○	
9						39	○	○	○	○	
10						40	○	○	○	○	
11						41	○	○	○	○	
12						42	○	○	○	○	
13						43	○	○	○	○	
14						44	○	○	○	○	
15						45	○	○	○	○	
16						46	○	○	○	○	
17						47	○	○	○	○	
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page # 2

DATE: 4/14/04

OBSERVER: Ben Kroeger

START: 9:33 am pm

FINISH: 11:33 am pm

Source: BOF Roof  
Monitors

Observation Point (ground)  
lot at end of canal

distance from: 800'

direction from: SE

source height: 250'

wind direction N

wind speed 10-15

sky condition clear

amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other:  
N - north monitor  
M - middle  
S - south

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	5	M
13	0	0	0	0		43	5	5	5	0	M
14	0	0	0	0		44	0	10	10	5	M
15	0	0	5	5	M, yellow	45	5	5	10	5	M
16	5	0	0	0	M, yellow	46	5	5	5	0	M
17	0	0	0	0		47	0	0	5	0	M
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	5	5	5	M, yellow
27	0	0	0	0		57	5	5	5	0	M, yellow
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	5	5	5	

Observer's Signature



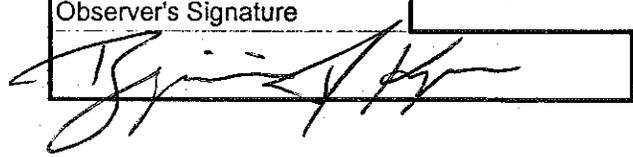
Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3

DATE: 4/14/04  
 OBSERVER: Ben Krueger  
 START: 9:33 am pm  
 FINISH: 11:33 am pm  
 Source: BOF Roof  
 Monitors  
 Observation Point (raw) lot at end of canal  
 distance from: 800'  
 direction from: SE  
 source height: 250'  
 wind direction NNE  
 wind speed 10-15  
 sky condition clear  
 amb. temp. (F) 50-55  
 color of emissions brown  
 unless otherwise stated  
 other:  
 N - north monitor  
 M - middle  
 S - south  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	S	S	S	S	M	30	0	0	0	0	
1	S	S	0	0	M	31	0	0	0	0	
2	S	S	15	15	M, white	32	0	0	0	0	
3	15	15	10	10	M, white	33	0	0	0	0	
4	10	S	0	0	M, white	34	-	-	-	-	
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	35	M	51					
22	35	35	15	5	M	52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	10	5	M	57					
28	5	5	5	5	M	58					
29	0	0	0	0		59					

Observer's Signature 

Last Certification Date 4/7/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/5/04

OBSERVER: Ben Krueger

START: 10:47 am pm

FINISH: am 12:47 pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot across canal

distance from: 800'

direction from: SE

source height: 250'

wind direction ANW

wind speed ~~5-10~~ 10-15

sky condition clear

amb. temp. (F) 30-35

color of emissions brown

Unless stated otherwise

other:

N - north monitor

M - middle

S - south

Remarks;

Heat NO.

57061

18073

57062

Observer's Signature



MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46	-	-	-	-	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	15	40	M
20						50	35	25	10	5	M
21						51	5	5	5	5	M
22						52	0	0	0	0	
23						53	0	0	0	0	
24						54	5	10	5	0	M
25						55	0	0	0	0	
26						56	0	0	0	0	
27						57	0	0	0	0	
28						58	0	0	0	0	
29						59	0	0	0	0	

Last Certification Date 10/8/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/5/04

OBSERVER: Ben Kroeger

START: 10:47 am pm

FINISH: am 12:47 pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot across canal

distance from: 800'

direction from: SE

source height: 250'

wind direction NNW

wind speed 10-15

sky condition clear

amb. temp. (F) 30-35

color of emissions brown

unless stated otherwise

other;

N - north monitor

M - middle

S - south

Remarks;

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	5	0	0	0	N	36	0	0	0	0	
7	0	0	0	5	N	37	0	0	0	0	
8	10	15	20	25	N	38	0	0	0	0	
9	15	15	20	25	N	39	0	0	0	0	
10	15	15	15	15	N	40	0	0	0	0	
11	10	5	5	5	N	41	0	0	0	0	
12	5	5	0	0	N	42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	5	10	10	5	M	45	0	0	5	5	M
16	5	5	0	0	M	46	5	5	5	5	M
17	0	0	0	0		47	5	5	5	5	M
18	0	0	0	0		48	5	5	5	5	M
19	0	0	0	0		49	5	5	5	5	M
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 10/e/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3

DATE: 4/5/04

OBSERVER: Ben Kroeger

START: 10:47am pm

FINISH: am 12:47pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot across  
canal

distance from: 800'

direction from: SE

source height: 250

wind direction NNN

wind speed 15-20

sky condition clear

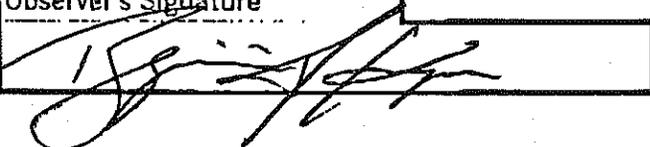
amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

other:  
N-  
M-  
S-

Remarks;

Observer's Signature



MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	5	M
2	0	0	0	0		32	5	0	0	5	M
3	0	0	5	10	M	33	0	0	0	0	
4	20	25	45	50	M, white	34	0	0	0	0	
5	60	55	40	35	M, white	35	0	0	0	0	
6	25	15	15	10	M	36	0	0	0	0	
7	5	5	5	0	M	37	0	0	0	0	
8	5	5	0	0	M	38	0	0	0	0	
9	0	5	0	0	M	39	0	0	0	5	M
10	0	0	0	0		40	10	10	10	5	M
11	0	0	5	0	M	41	5	5	5	5	N
12	0	0	0	0		42	10	15	5	5	N
13	0	0	0	0		43	5	0	0	0	N
14	0	0	10	10	M	44	0	0	0	0	
15	10	15	10	15	M	45	0	0	0	0	
16	15	10	5	0	M	46	0	0	0	0	
17	5	0	0	0	M	47	-	-	-	-	
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	5	0	M	54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	5	5	5	5	M	58					
29	5	5	5	5	M	59					

Last Certification Date 10/8/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #1

DATE: 4/2/04

OBSERVER: Ben Kroeger

START: 9:17 am pm

FINISH: am pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot across canal

distance from: 300'

direction from: SE

source height: 250'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

color of emissions brown  
unless otherwise stated

other:  
N - north monitor  
M - middle  
S - south

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARK
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	5	M
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	5	0	0	0	M
6						36	0	0	0	0	
7						37	5	5	5	5	M
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	5	15	M, white
16	-	-	-	-		46	15	10	15	20	M, white
17	0	0	0	0		47	15	15	20	15	M, white
18	0	0	0	0		48	15	100	100	100	M, white
19	0	0	0	0		49	100	75	50	30	M, white
20	0	0	0	0		50	25	25	25	20	M, white
21	0	0	0	0		51	10	10	10	5	M, white
22	5	10	10	15	M	52	5	5	5	5	M, white
23	15	15	10	10	M, N	53	5	5	0	5	M, white
24	5	0	0	0	N	54	5	10	10	10	M, white
25	0	0	0	0		55	5	5	5	5	M, white
26	0	0	0	0		56	5	5	5	5	M, white
27	0	0	0	0		57	5	5	5	5	M, white
28	0	0	0	0		58	5	5	5	5	M, white
29	0	0	0	5	M	59	10	5	5	5	M, white

Observer's Signature



Last Certification Date 10/8/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #2

DATE: 4/2/04

OBSERVER: Ben Kroeger

START: 9:17 am pm

FINISH: am pm

Source: BOF ROOF  
Monitors

Observation Point gravel  
lot across canal

distance from: 800'

direction from: SE

source height: 250'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

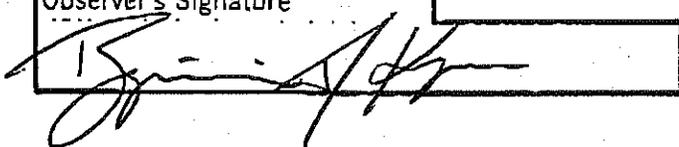
color of emissions brown  
unless stated otherwise

other:  
N - north monitor  
M - middle  
S - south

Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARK
0	0	0	0	5	M	30	30	15	15	10	M, white
1	0	0	0	0		31	10	10	10	10	M, white
2	0	0	0	5	M	32	5	10	10	5	M, white
3	5	10	10	5	M	33	10	10	10	5	M, white
4	5	0	0	0	M	34	10	10	10	10	M, white
5	0	0	0	0		35	10	5	5	5	M, white
6	0	0	0	0		36	5	5	10	5	M, white
7	0	0	0	5	M	37	5	5	0	0	M, white
8	5	0	0	0	M	38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	30	50	M, white
25	0	0	0	0		55	50	20	10	10	M, white
26	0	0	0	0		56	10	10	0	0	M, white
27	0	5	10	25	M, white	57	0	0	0	5	M
28	30	25	100	100	M, white	58	5	0	0	0	M
29	75	75	60	50	M, white	59	0	0	0	0	

Observer's Signature



Last Certification Date 10/E/03

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

Page #3

DATE: 4/2/04

OBSERVER: Ben Kroeger

START: 9:17 am pm

FINISH: 11:17 am pm

Source: BOF Roof  
Monitors

Observation Point gravel  
lot across canal

distance from: 800'

direction from: SE

source height: 250'

wind direction NE

wind speed 10-15

sky condition overcast

amb. temp. (F) 35-40

color of emissions brown  
unless stated otherwise

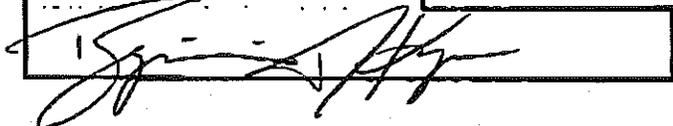
other;

N- north monitor  
M- middle  
S- south

Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARK
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	10	10	5	5	M	34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	5	5	M, white	39					
10	5	5	5	5	M, white	40					
11	5	0	0	0	M, white	41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	10	5	10	M	46					
17	-	-	-	-		47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature



Last Certification Date

10/8/03

**SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM**

DATE: 6/30/04

OBSERVER: ROSANA MORGAN

START: 11:45 am pm

FINISH: 11:50 am pm

Source:  
C BLAST BLEEDERS

Observation Point  
PAVED PARKING LOT

distance from: 120'

direction from: E

source height:  
200'

wind direction NW

wind speed 0-5

sky condition CLOUDY

amb. temp. (F)

color of emissions White  
unless stated otherwise  
other;

Remarks;

11:00AM PAGE #1

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>Black</u>
16						46	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	
17						47	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	
18						48	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	
19						49	<u>20</u>	<u>20</u>	<u>20</u>	<u>20</u>	
20						50	<u>20</u>	<u>20</u>	<u>20</u>	<u>10</u>	
21						51	<u>10</u>	<u>10</u>	<u>10</u>	<u>5</u>	
22						52	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	
23						53	<u>5</u>	<u>5</u>	<u>5</u>	<u>5</u>	
24						54	<u>5</u>	<u>5</u>	<u>0</u>	<u>0</u>	
25						55	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
26						56					
27						57					
28						58					
29						59					

Observer's Signature  
Rosana Morgan

Last Certification Date 5/10/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6-25-04  
 OBSERVER: J. Earl  
 START: am (2:22 pm)  
 FINISH: am (2:37 pm)  
 Source:  
 C. BF Bleeders  
 Observation Point  
 Parking lot  
 distance from: 300'  
 direction from: SE  
 source height:  
 150'  
 wind direction SE  
 wind speed 5-10  
 sky condition P. Cloudy  
 amb. temp. (F) 60  
 color of emissions  
 Gray/Black/White  
 other;  
 Remarks;

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	40	35	40	35	
1						31	15	15	15	10	
2						32	10	10	10	10	
3						33	10	10	10	10	
4						34	10	5	5	5	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22	50	40	40	40		52					
23	40	30	30	30		53					
24	30	50	40	60		54					
25	50	30	30	30		55					
26	30	30	30	30		56					
27	30	30	25	25		57					
28	25	20	20	15		58					
29	15	45	45	45		59					

Observer's Signature

J. Earl

Last Certification Date

April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6-10-04  
 OBSERVER: J. Earl  
 START: 10:14 am pm  
 FINISH: 11:13 am pm

Source:  
 c BF Bleeders

Observation Point  
 Parking lot

distance from: 300'  
 direction from: E  
 source height:  
 150'

wind direction NE  
 wind speed 5-10  
 sky condition Cloudy / Rain  
 amb. temp. (F) 63  
 color of emissions  
 other;

Remarks;

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

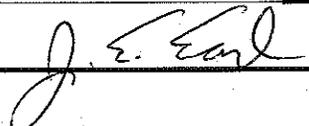
J. Earl

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6-10-04  
 OBSERVER: J. Earl  
 START: 10:17 am pm  
 FINISH: 11:13 am pm  
 Source:  
 c BF Bleeders  
 Observation Point  
 Parking lot  
 distance from: 300'  
 direction from: E  
 source height:  
 150'  
 wind direction NE  
 wind speed 5-10  
 sky condition cloudy  
 amb. temp. (F) 63  
 color of emissions  
 other:  
 Remarks:

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  


Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6-9-04  
 OBSERVER: J. Earl  
 START: am 1:48 ~~pm~~  
 FINISH: am 2:48 pm  
 Source:  
C BF Bleeders  
 Observation Point  
Row  
 distance from: 600'  
 direction from: W  
 source height:  
150'  
 wind direction SW  
 wind speed 10-15  
 sky condition M. Cloudy  
 amb. temp. (F) 88  
 color of emissions  
 other:  
Rain  
 Remarks;  
 Observer's Signature  
J. Earl

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48	○	○	○	○	
19						49	○	○	○	○	
20						50	○	○	○	○	
21						51	○	○	○	○	
22						52	○	○	○	○	
23						53	○	○	○	○	
24						54	○	○	○	○	
25						55	○	○	○	○	
26						56	○	○	○	○	
27						57	○	○	○	○	
28						58	○	○	○	○	
29						59	○	○	○	○	

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 6-9-04  
 OBSERVER: J. Earl  
 START: am 1:48 pm  
 FINISH: am 2:48 pm  
 Source: C BF Breeders  
 Observation Point: Row  
 distance from: 600'  
 direction from: W  
 source height: 150'  
 wind direction: SW  
 wind speed:  
 sky condition: P. Cloudy  
 amb. temp. (F): 83  
 color of emissions:  
 other:  
 Remarks:  
 2:20 PM - 2:31 PM  
 Thunder storm  
 Observer's Signature: *J. Earl*

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21	0	0	0	0		51					
22	0	0	0	0		52					
23	0	0	0	0		53					
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 24, 2004

OBSERVER: ROSANA MOFFAT

START: 11:07 am pm

FINISH: 12:07 am pm

Source:  
C BLAST BLEEDERS.

Observation Point  
PAVED PARKING LOT  
EAST OF FURNACE  
distance from: 150'  
direction from: E  
source height:  
~ 180'

wind direction NW  
wind speed 15-20  
sky condition CLOUDY  
amb. temp. (F) 67  
color of emissions white  
unless stated otherwise  
other:

Remarks;

Observer's Signature

PAGE #1

11:00

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7	15	10	10	10	Black	37	0	0	0	0	
8	10	10	10	10		38	0	0	0	0	
9	10	10	10	10		39	0	0	0	0	
10	10	10	10	15		40	0	0	0	0	
11	15	15	15	15		41	0	0	0	0	
12	10	10	10	10		42	0	0	0	0	
13	5	5	5	5		43	0	0	0	0	
14	5	5	5	5		44	0	0	0	0	
15	5	5	5	5		45	0	0	0	0	
16	5	5	5	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Rosana Moffat

Last Certification Date 5/11/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: MAY 24, 2004

OBSERVER: Rosanna Moffat

START: 11:07 am pm

FINISH: am 12:07 pm

Source:  
C BLAST BLEEDERS

Observation Point  
PAVED PARKING LOT  
EAST OF FURNACE

distance from: 150'

direction from: E

source height:  
180'

wind direction NW

wind speed 15-20

sky condition Cloudy

amb. temp. (F) 67

color of emissions White  
unless stated otherwise

other:

Remarks:

12:00 PM

PAGE #2

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	○	○	○	○		30					
1	○	○	○	○		31					
2	○	○	○	○		32					
3	○	○	○	○		33					
4	○	○	○	○		34					
5	○	○	○	○		35					
6	○	○	○	○		36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Observer's Signature  
Rosanna Moffat

Last Certification Date 5/14/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-20-04  
 OBSERVER: J. Earl  
 START: am 3:20 PM  
 FINISH: am pm  
 Source: BF Breeders  
 Observation Point: Row  
 distance from: 800'  
 direction from: W  
 source height: 150'  
 wind direction: W  
 wind speed: 15-20  
 sky condition: M. cloudy  
 amb. temp. (F): 79  
 color of emissions: Gray/Black  
 other:  
 Remarks;  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	0	0	0	0	
3						33	0	0	0	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	0	0	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	0	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54	0	0	0	0	
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

*James S. Earl*

Last Certification Date Apr. 104

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-20-04  
 OBSERVER: J. Earl  
 START: am 3:20 (m)  
 FINISH: am 4:19 (m)  
 Source:  
 C BF Bleeders  
 Observation Point  
 Row  
 distance from: 800'  
 direction from: W  
 source height:  
 150'  
 wind direction W  
 wind speed 15-20  
 sky condition P. Sunny  
 amb. temp. (F) 80  
 color of emissions  
 other;  
 Remarks;  
 Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20						50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

*J. Earl*

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-14-04  
 OBSERVER: J. Earl  
 START: 10:54 am pm  
 FINISH: 11:53 am pm

Source:  
 C BF Bleeders

Observation Point  
 Parking Lot

distance from: 500'  
 direction from: E  
 source height:  
 150'

wind direction JSW  
 wind speed 5-10  
 sky condition Cloudy  
 amb. temp. (F) 70  
 color of emissions  
 Black/Gray  
 other;

Remarks;

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30					
1						31					
2						32					
3						33					
4						34					
5						35					
6						36					
7						37					
8						38					
9						39					
10						40					
11						41					
12						42					
13						43					
14						44					
15						45					
16						46					
17						47					
18						48					
19						49					
20						50					
21						51					
22						52					
23						53					
24					10:	54	30	20	20	20	
25						55	35	35	35	20	
26						56	15	15	20	25	
27						57	25	25	25	40	
28						58	40	25	25	20	
29						59	20	25	10	10	

*J. Earl*

Last Certification Date Apr. 1 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5-14-04  
 OBSERVER: J. Earl  
 START: 10:54 am pm  
 FINISH: 11:53 am pm

Source:  
 C BF Bleeders

Observation Point  
 Parking Lot

distance from: 500'  
 direction from: E  
 source height:  
 150'

wind direction SSW  
 wind speed 5-10  
 sky condition Cloudy  
 amb. temp. (F) 70  
 color of emissions  
 Black/Grey  
 other:

Remarks:

Observer's Signature

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	10	10	10	10		30	0	0	0	0	
1	20	20	20	20		31	0	0	0	0	
2	20	20	20	20		32	0	0	0	0	
3	20	20	15	10		33	0	0	0	0	
4	10	10	10	5		34	0	0	0	0	
5	5	5	5	5		35	0	0	0	0	
6	5	5	5	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	0	0	0	0	
22	0	0	0	0		52	0	0	0	0	
23	0	0	0	0		53	0	0	0	0	
24	0	0	0	0		54					
25	0	0	0	0		55					
26	0	0	0	0		56					
27	0	0	0	0		57					
28	0	0	0	0		58					
29	0	0	0	0		59					

*J. Earl*

Last Certification Date April 04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 5/6/04

OBSERVER: T Chen

START: am 2:05 pm

FINISH: am 3:05 pm

Source:  
"C" Furnace Bleeder

Observation Point  
W of Boat Slip by ROW

distance from: 700 ft

direction from: WNW

source height: 150 ft

wind direction W or SW

wind speed 5-15 mph

sky condition Cloudy

amb. temp. (F) 80

color of emissions  
white or gray

other;

Remarks;

Observer's Signature  
T Chen

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30	0	0	0	0	
1	0	0	0	0		31	0	0	0	0	
2	0	0	0	0		32	0	0	0	0	
3	0	0	0	0		33	0	0	0	0	
4	0	0	0	0		34	0	0	0	0	
5	0	0	0	0		35	0	0	0	0	
6	0	0	0	0		36	0	0	0	0	
7	0	0	0	0		37	0	0	0	0	
8	0	0	0	0		38	0	0	0	0	
9	0	0	0	0		39	0	0	0	0	
10	0	0	0	0		40	0	0	0	0	
11	0	0	0	0		41	0	0	0	0	
12	0	0	0	0		42	0	0	0	0	
13	0	0	0	0		43	0	0	0	0	
14	0	0	0	0		44	0	0	0	0	
15	0	0	0	0		45	0	0	0	0	
16	0	0	0	0		46	0	0	0	0	
17	0	0	0	0		47	0	0	0	0	
18	0	0	0	0		48	0	0	0	0	
19	0	0	0	0		49	0	0	0	0	
20	0	0	0	0		50	0	0	0	0	
21	0	0	0	0		51	5	10	10	10	
22	0	0	0	0		52	10	5	0	0	
23	0	0	0	0		53	50	50	50	50	steam plume TC
24	0	0	0	0		54	50	50	50	50	steam plume TC
25	0	0	0	0		55	0	0	0	0	
26	0	0	0	0		56	0	0	0	0	
27	0	0	0	0		57	0	0	0	0	
28	0	0	0	0		58	0	0	0	0	
29	0	0	0	0		59	0	0	0	0	

Last Certification Date 4/8/2004

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 04/06/04  
 OBSERVER: L. TRINH  
 START: am 3:20 pm  
 FINISH: am 4:20 pm  
 Source:  
 "C" Furnace Bleeders  
 Observation Point  
 Bleeder  
 distance from: 150 ft  
 direction from: SE parking  
 source height:  
 150 ft.  
 wind direction SE  
 wind speed 5-10  
 sky condition overcast  
 amb. temp. (F) 55°F  
 color of emissions  
 white  
 other;  
 Remarks;  
 Observer's Signature  
 [Signature]

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0						30	0	0	0	0	
1						31	0	0	0	0	
2						32	5	5	5	5	
3						33	5	5	5	0	
4						34	0	0	0	0	
5						35	0	0	0	0	
6						36	10	10	0	0	
7						37	0	0	0	0	
8						38	0	0	0	0	
9						39	0	0	0	0	
10						40	0	0	0	0	
11						41	0	0	0	0	
12						42	0	0	0	0	
13						43	0	0	0	0	
14						44	6	0	0	0	
15						45	0	0	0	0	
16						46	0	0	0	0	
17						47	0	0	0	0	
18						48	0	0	0	0	
19						49	0	0	0	0	
20	30	30	30	25		50	0	0	0	0	
21	20	20	20	20		51	0	0	0	0	
22	15	15	15	15		52	0	0	0	0	
23	15	15	10	10		53	0	0	0	0	
24	10	10	10	10		54	0	0	0	0	
25	20	10	10	10		55	0	0	0	0	
26	10	10	10	10		56	0	0	0	0	
27	10	10	10	10		57	0	0	0	0	
28	15	20	10	10		58	0	0	0	0	
29	10	5	0	5		59	0	0	0	0	

Last Certification Date 4/6/04

SEVERSTAL NORTH AMERICA, INC. VISIBLE EMISSIONS EVALUATION FORM

DATE: 4/6/04  
 OBSERVER: L. TRINH  
 START: am 3:20 (pm)  
 FINISH: am 4:20 pm  
 Source:  
11" C" Furnace  
 Observation Point  
Bleeder  
 distance from: 150'  
 direction from: SE ranking  
 source height: 150  
 wind direction SE  
 wind speed 5-10  
 sky condition overcast  
 amb. temp. (F) 55  
 color of emissions  
white  
 other;  
 Remarks;  
 Observer's Signature  
[Signature]

MIN	0	15	30	45	REMARKS	MIN	0	15	30	45	REMARKS
0	0	0	0	0		30					
1	0	0	0	0		31					
2	0	0	0	0		32					
3	0	0	0	0		33					
4	0	0	0	0		34					
5	0	0	0	0		35					
6	0	0	0	0		36					
7	0	0	0	0		37					
8	0	0	0	0		38					
9	0	0	0	0		39					
10	0	0	0	0		40					
11	0	0	0	0		41					
12	0	0	0	0		42					
13	0	0	0	0		43					
14	0	0	0	0		44					
15	0	0	0	0		45					
16	0	0	0	0		46					
17	0	0	0	0		47					
18	0	0	0	0		48					
19	0	0	0	0		49					
20	0	0	0	0		50					
21						51					
22						52					
23						53					
24						54					
25						55					
26						56					
27						57					
28						58					
29						59					

Last Certification Date 4/6/04